

**US CUSTOMARY UNITS**

**D263195**

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# **PROPOSAL**

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**Proposal Description:**

Asphalt Concrete Milling and Resurfacing on Routes 17C and 26 in the Town of Union, Village of Endicott.

**Letting of 6/16/2016 @ 10:30 A.M.**

Submitted in accordance with the Highway Law and the Standard Specifications officially finalized and adopted on May 1, 2016 as posted on the Department's website.

## **Book 2 of 2**



**Department of  
Transportation**

50 Wolf Road, Albany, NY 12232

**IMPORTANT BIDDER INFORMATION**

- 1. Familiarize Yourself with the Standard Specifications.** NYSDOT currently uses the Standard Specifications specified on the front cover of this Project Proposal. The applicable Standard Specifications may be accessed at: <https://www.dot.ny.gov/main/business-center/engineering/specifications/busi-e-standards-usc> . Be certain you access the correct edition of the Standard Specifications. .
- 2. Upcoming Projects/ Letting Results/Contract Documents.** Advertisements are available at: [www.dot.ny.gov/doing-business/opportunities/const-highway](http://www.dot.ny.gov/doing-business/opportunities/const-highway) and Letting Results are at: [www.dot.ny.gov/doing-business/opportunities/const-results](http://www.dot.ny.gov/doing-business/opportunities/const-results). Contract documents may be accessed at: [www.dot.ny.gov/doing-business/opportunities/const-notice](http://www.dot.ny.gov/doing-business/opportunities/const-notice).
- 3. Procurement Lobbying Law.** [www.dot.ny.gov/main/business-center/contractors/contractors-repository/lobbylaw.pdf](http://www.dot.ny.gov/main/business-center/contractors/contractors-repository/lobbylaw.pdf). NYS Finance Law restricts communication with NYSDOT personnel on procurements and contact can only be made with designated persons. Contact with non-designated persons or other involved Agencies will be considered a serious matter and may result in disqualification. Contacts are: Maria Tamarkin, Construction Letting & Award Unit, (518) 457-8403; the Assistant Director/Director, Contract Management Bureau, (518) 457-2124. Project related technical questions or comments must be submitted through the Contract Documents tab of the Department's website at: [www.dot.ny.gov/doing-business/opportunities/const-notice](http://www.dot.ny.gov/doing-business/opportunities/const-notice).
- 4. D/M/WBE Goals.** [www.dot.ny.gov/main/business-center/contractors/construction-division/construction-civil-rights/ebo](http://www.dot.ny.gov/main/business-center/contractors/construction-division/construction-civil-rights/ebo). Projects may have one goal for participation by Disadvantaged Business Enterprises (DBE) when Federally funded, or two separate goals for participation by Minority Business Enterprises (MBEs) and Women's Business Enterprises (WBE), when Non-Federally funded. If the project has (a) D/M/WBE goal(s), you must document your good faith efforts to obtain D/M/WBE participation. Solicitation of D/M/WBEs must begin prior to the submission of your bid. For projects with goals, the Pre-Award Utilization Package must be submitted to the Office of Construction within 7 calendar days after Letting, in accordance with §102-12 *D/M/WBE Utilization*, using the current version of NYSDOT approved Civil Rights reporting software.
- 5. Bonds.** Statutes require that a low bidder file both a Performance Bond and a Labor and Material Bond for the full amount of the contract. Arrangements should be made with a Surety prior to submitting a bid. Failure to secure bonding could result in the loss of your bid deposit. See §103-03 *Contract Bonds*.
- 6. Bid Security.** Every bid must be accompanied by a bid bond, certified check or bank cashier's check payable to the State of New York. Bid Express bids must include an electronic bid bond. Bonds must be on form CONR 391 and in the sum of 25% of the total bid. Checks must be in the amount specified in the proposal.
- 7. New York State Can Help You Secure Surety Bonding.** The NYS Surety Bond Assistance Program (NYSBAP) provides technical and financial assistance to help New York State small business or MWBE contractors secure surety bonding. Contractors may be eligible to receive a guarantee of up to 30% to secure a surety bond line, bid bond or a performance and payment bond on State projects. Training is also available to contractors requiring technical support on how to become bond-ready. For more information visit [esd.ny.gov/BusinessPrograms/BondingAssistance.html](http://esd.ny.gov/BusinessPrograms/BondingAssistance.html) or contact Ms. Huey-Min Chuang at Empire State Development at 212-803-3238 or [BAP@esd.ny.gov](mailto:BAP@esd.ny.gov).
- 8. Do Not Alter the Bid Proposal Unless Directed to Do So by Amendment.** Unauthorized alterations could lead to your bid being declared informal. See §102-05 *Proposal Submission*.
- 9. The Contractor is responsible for ensuring that all Amendments have been incorporated into its bid.** Amendments are posted at: [www.dot.ny.gov/doing-business/opportunities/const-notice](http://www.dot.ny.gov/doing-business/opportunities/const-notice).
- 10. Bid on All Items and Sign the Bid.** If it is your intent to bid "0", use the numeric symbol. Leaving blank spaces can render your bid informal. See §102-05 *Proposal Submission*.
- 11. Bids Should Be Submitted through Bid Express or in a Sealed Envelope prominently labeled "BID ENCLOSED", addressed to NYSDOT, Contract Management Bureau, 50 Wolf Road, First Floor, Suite 1CM, Albany NY 12232 and delivered during normal business hours(Monday through Friday, 7:00 am to 4:00 pm). Clearly identify the Contractor Name, Address, Federal Identification Number, Project Number and Project Description on the envelope.** The same Federal Identification number should be used on both the envelope and the Planholders List. Low bidders must have a current NYS Vendor Responsibility Questionnaire For-Profit Construction (CCA-2) on file or submit one within 10 days of receipt of the contract. Questionnaires are available at: [www.dot.ny.gov/bids-and-lettings/construction-contractors/general-info](http://www.dot.ny.gov/bids-and-lettings/construction-contractors/general-info). Please call (518) 457-2421 if a reasonable accommodation is needed to participate in the Letting.

**REQUIRED CONTRACT PROVISIONS**

D/M/WBE Utilization

EEO Goals

D/M/WBE Goals

Form CONR 9k

Electronic Bidding

Federal Aid Contract Provisions

Percentage Bid Items

List of Additional Insured

Railroad Insurance

New York State Uniform Contracting Questionnaire

*NOTE: This form was developed for repetitive use throughout all contract proposals and may identify items not applicable to this specific project.*

## GOALS FOR EQUAL EMPLOYMENT OPPORTUNITY (EEO) PARTICIPATION

### GOALS FOR MINORITY PARTICIPATION

COUNTY	%	COUNTY	%	COUNTY	%
Albany .....	3.2	Herkimer .....	2.1	* Richmond	
Allegany .....	6.3	Jefferson .....	2.5	Rockland .....	22.6
Broome .....	1.1	* Kings		St. Lawrence .....	2.5
* Bronx		Lewis .....	2.5	Saratoga .....	3.2
Cattaraugus .....	6.3	Livingston .....	5.3	Schenectady .....	3.2
Cayuga .....	2.5	Madison .....	3.8	Schoharie .....	2.6
Chautauqua .....	6.3	Monroe .....	5.3	Schuyler .....	1.2
Chemung .....	2.2	Montgomery .....	3.2	Seneca .....	5.9
Chenango .....	1.2	Nassau .....	5.8	Steuben .....	1.2
Clinton .....	2.6	* New York		Suffolk .....	5.8
Columbia .....	2.6	Niagara .....	7.7	Sullivan .....	17.0
Cortland .....	2.5	Oneida .....	2.1	Tioga .....	1.1
Delaware .....	1.2	Onondaga .....	3.8	Tompkins .....	1.2
Dutchess .....	6.4	Ontario .....	5.3	Ulster .....	17.0
Erie .....	7.7	Orange .....	17.0	Warren .....	2.6
Essex .....	2.6	Orleans .....	5.3	Washington .....	2.6
Franklin .....	2.5	Oswego .....	3.8	Wayne .....	5.3
Fulton .....	2.6	Otsego .....	1.2	Westchester .....	22.6
Genesee .....	5.9	Putnam .....	22.6	Wyoming .....	6.3
Greene .....	2.6	* Queens		Yates .....	5.9
Hamilton .....	2.6	Rensselaer .....	3.2		

\* The following goal ranges are applicable to the indicated trades in the Counties of Bronx, Kings, New York, Queens and Richmond.

Electricians.....	9.0 to 10.2	Bricklayers.....	13.4 to 15.5
Carpenters .....	27.6 to 32.0	Asbestos workers.....	22.8 to 28.0
Steam fitters .....	12.2 to 13.5	Roofers .....	6.3 to 7.5
Metal lathers.....	24.6 to 25.6	Iron workers (ornamental).....	22.4 to 23.0
Painters.....	26.0 to 28.6	Cement masons.....	23.0 to 27.0
Operating engineers .....	25.6 to 26.0	Glaziers.....	16.0 to 20.0
Plumbers .....	12.0 to 14.5	Plasterers .....	15.8 to 18.0
Iron workers (structural) .....	25.9 to 32.0	Teamsters.....	22.0 to 22.5
Elevator constructors .....	5.5 to 6.5	Boilermakers .....	13.0 to 15.5
		All others .....	16.4 to 17.5

### GOAL FOR PARTICIPATION OF WOMEN

The last publication of a goal for the participation of women was April 7, 1978 (43 FR 14888, 14900). Pursuant to 41CFR 60-4.6, the 6.9% goal published on that date is hereby made the goal for all contracts and grant agreements, until further notice.

## GOALS FOR DISADVANTAGED/MINORITY/WOMEN'S BUSINESS ENTERPRISE (D/M/WBE) PARTICIPATION

The Department has established the following utilization goal(s) for this contract, expressed as a percentage of the total contract bid amount. For clarification of Disadvantaged Business Enterprise (DBE) Utilization, Minority Business Enterprise (MBE) Utilization or Women's Business Enterprise (WBE) Utilization requirements refer to §102-12 *D/M/WBE Utilization* of the Standard Specifications.

Disadvantaged Business Enterprise (DBE) Utilization Goal	_ - % (Federal-Aid Only)
Minority Business Enterprise (MBE) Utilization Goal	_ 12 % (Non Federal-Aid Only)
Women's Business Enterprise (WBE) Utilization Goal	_ 18 % (Non Federal-Aid Only)

Directories and/or Information related to the current certification status of Disadvantaged Business Enterprises can be obtained from the NYS Unified Certification Program website at:  
<http://biznet.nysucp.net>

Direct questions concerning Disadvantaged Business Enterprise Utilization to:

NYS Department of Transportation  
Office of Construction  
50 Wolf Road Pod 51  
Albany, New York 12232  
(518) 457-6472

Direct questions concerning Disadvantaged Business Enterprise Certification to:

NYS Department of Transportation  
Contract Audit Bureau  
DBE Certification  
50 Wolf Road, 6<sup>th</sup> Floor  
Avenue F, 1<sup>st</sup> Street  
Albany, New York 12232  
(518) 457-3180

Directories and/or information related to the current certification status of Minority and Women's Business Enterprises, can be obtained by contacting the:

NYS Department of Economic Development  
Division of Minority and Women's Business Development  
633 Third Avenue  
New York, NY 10017  
(212) 803-2414  
email: [mwbecertification@esd.ny.gov](mailto:mwbecertification@esd.ny.gov)  
<http://esd.ny.gov/MWBE/directorySearch.html>

**SUPPLEMENTAL INFORMATION AVAILABLE TO BIDDERS**

The information checked in the "Digital" column on this form is available at the Contract Documents tab within the Construction Contracting section of the [Business Center](#) on the Department's web site. The information checked in the "Inspection Only" column on this form is available at the Regional Office having jurisdiction for this project, as identified in the advertisement for bids, for inspection and review prior to the letting date. The bidder's signature on this proposal certifies that they have made themselves aware of the availability of the information indicated below:

**THERE IS NO SUPPLEMENTAL INFORMATION AVAILABLE FOR THIS CONTRACT:**

INFORMATION	Digital <sup>1</sup>	Inspection Only
1. Greyscale PDF of Sealed Plan Set (for printing) <sup>2,4</sup>	<input checked="" type="checkbox"/>	
2. Unsealed Layered or 3D PDF Files	<input type="checkbox"/>	
3. CADD Information		
a. MicroStation DGN	<input checked="" type="checkbox"/>	
b. InRoads DTM and XML format	<input checked="" type="checkbox"/>	
c. InRoads ALG and XML format	<input checked="" type="checkbox"/>	
4. Cross Sections in ADOBE PDF format	<input type="checkbox"/>	
5. Quantity Work-ups <sup>3</sup>	<input checked="" type="checkbox"/>	
6. Record Plans	<input type="checkbox"/>	<input type="checkbox"/>
7. Rock Cores (available for inspection only)		<input type="checkbox"/>
8. Sign Face Layouts in ADOBE PDF format	<input type="checkbox"/>	
9. Stormwater Pollution Prevention Plan (SWPPP)	<input type="checkbox"/>	<input type="checkbox"/>
10. Subsurface Information		
a. Subsurface Exploration Logs	<input type="checkbox"/>	<input type="checkbox"/>
b. Undisturbed Sample Logs	<input type="checkbox"/>	<input type="checkbox"/>
c. Laboratory Test Data from Soil Samples	<input type="checkbox"/>	<input type="checkbox"/>
d. Tabulated Results of Probing	<input type="checkbox"/>	<input type="checkbox"/>
e. Tabulated Depth to Bedrock	<input type="checkbox"/>	<input type="checkbox"/>
f. Rock Core Evaluation Logs	<input type="checkbox"/>	<input type="checkbox"/>
g. Compression Test Data from Rock Samples	<input type="checkbox"/>	<input type="checkbox"/>
h. Rock Outcrop Maps	<input type="checkbox"/>	<input type="checkbox"/>
i. Granular Materials Resource Survey Reports	<input type="checkbox"/>	<input type="checkbox"/>
j. Terrain Reconnaissance Reports	<input type="checkbox"/>	<input type="checkbox"/>
11. Subsurface Information - Other Information		
a. Subsurface information from outside sources	<input type="checkbox"/>	<input type="checkbox"/>
b. Source Information - Granular Material and aggregates	<input type="checkbox"/>	<input type="checkbox"/>
c. Special Subsurface Reports	<input type="checkbox"/>	<input type="checkbox"/>
12. Anticipated Construction Schedule	<input type="checkbox"/>	<input type="checkbox"/>
13. Asbestos Information		
a. Asbestos Blanket Variances	<input type="checkbox"/>	<input type="checkbox"/>
b. Asbestos Report	<input type="checkbox"/>	<input type="checkbox"/>
14. Special Reports or Other Information:		
a. Permits	<input type="checkbox"/>	<input type="checkbox"/>
b. Design Approval Document	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Survey Control Report	<input type="checkbox"/>	<input type="checkbox"/>
d. Wetland Compensation Report	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

<sup>1</sup> – All digital material is provided in ADOBE (PDF) format, unless noted above.

<sup>2</sup> – Required for all projects that have 11"x17" plan sets. See HDM Section 21.3.9.2

<sup>3</sup> – Required for all projects.

<sup>4</sup> – Greyscale PDF's of sealed plans must be provided at PS&E submittal. An updated version must be provided whenever the plans are modified or amended.

## NYS DOT Electronic Bidding - Transport Expedite and Bid Express

**Expedite** allows bidders to receive electronic proposal bid item information from the Department's web site and Bid Express to produce an electronic bid. Bidders need to enter unit prices only in the Schedule of Items. Expedite is provided free of charge, and can be used on almost any Windows-compatible PC. It integrates with many existing electronic bid preparation software packages, and has import/export capability for use with database and spreadsheet programs. Benefits may include:

- Bid data import takes seconds allowing users of computer systems that collect item data minimal time to construct bid files from "item libraries".
- Expedite calculates item and overall bid totals on-the-fly, as estimators work through the list, and alerts estimators if an item is accidentally omitted.
- Electronic files of item bid data will be posted to the NYS DOT website to coincide with advertising and contract document sale dates.
- Amended item bid data will be posted as soon as it is available. When it is downloaded, recognition of changes are automatic.
- The Department processes electronic bids much faster than paper bids decreasing the time needed for verification.

**Bid Express** allows secure, encrypted bid submittal over the internet. It integrates with Expedite and includes electronic bid bond verification. Bid Express is a fee-based service. Benefits may include:

- Real-time bid submittal from any location.
- No concerns about driving bids to Albany or mail services arriving after the deadline.
- Ability to submit a "safety bid" early while continuing to solicit better quotes from subs and suppliers and to overwrite the safety bid with a new bid right up to the submission deadline.
- As data accumulates on Bid Express, there is the ability to search and analyze bids on prior contracts for specific work items, by specific competitors, etc.
- Able to solicit and receive quotes from subcontractors through the Small Business Network on Bid Express.
- Contractors who use Bid Express do not submit a paper bid.

### First time electronic bidders should:

- Allow at least five business days to obtain a digital ID and password for bidding through Bid Express.
- Follow the procedures in "Expedite Instructions", which are posted at <http://www.dot.ny.gov/bids-and-lettings/construction-contractors/electronic-bid-system>
- Enter the Agency as NYS DOT.
- Use the appropriate Federal-ID and firm name. Federal-ID must be in the format 12-3456789. Joint ventures must create a new digital ID and send an authenticated copy of evidence of the authority of the agent or attorney-in-fact for the joint venturers to act on behalf of all joint venturers to the Contract Management Bureau prior to the Letting.

### All electronic bidders should:

- Enter prices for all bid items in the Schedule of Items.

## **NYSDOT Electronic Bidding - Trns•port Expedite and Bid Express**

- Enter days for the B portion(s) of A + B bids on the Proposal Sites folder (if applicable).
- Enter the required info in the JURAT and Disclosure of Lobbying Activity folders.
- Complete the Contract Document Bid-Ability Survey (optional).
- Enter the required info in the Bid Bond folder if submitting bid through Bid Express and click Verify to verify the bid bond.
- All folders should be green if submitting bid through Bid Express. Submitting a bid through Bid Express with any red folders could lead to your bid being declared informal.

**Paper Bid Documents:** NYSDOT recommends and encourages contractors to bid electronically with Bid Express because of its many advantages, but contractors are not required to bid electronically. If NYSDOT receives both a Bid Express bid and a paper bid from the same contractor, the Bid Express bid will prevail.

Bidders who do not use Bid Express are encouraged to submit an electronic bid file on a disk/CD included with their paper bid. NYSDOT will not accept electronic bids on disk/CD without a paper bid. If there is any discrepancy between an electronic file and the paper bid, the paper bid will prevail.

When submitting an electronic bid file with your paper bid, include only one file per bid. The disk/CD must be labeled with the following information:

- Firm name
- Letting date
- D number
- A statement as to whether the paper bid does or does not include any handwritten changes from the electronic bid file. Do not mix partial printouts with differing date-time groups.

**Amendments:** Contractors are solely responsible for recognizing and responding to changes by amendment. If an amendment involves changes to item bid data, an amended Expedite file will be posted to the Department's website and to Bid Express. This file must be applied to your electronic bid. If there is any discrepancy in the itemized proposals published in paper and electronic formats, in either the contract pay items or quantities, the Department will evaluate the bids based only on that portion that is common to all formats. For example, if an item is missing from any format, the bids will be evaluated excluding that item and if item quantities are different in any format, the bids will be evaluated using the lowest item quantity.

Please notify the Department at 888-664-9343 or 518-485-8111 if you find any such discrepancies. However, not all amendments will involve changes to item bid data.

**For assistance:**

- Bid Express Help Desk (888) 352-2439 or (352) 381-4888
- NYSDOT Information Technology Division Help Desk (888) 664-9343 or (518) 485-8111
- Third-party Software - Contact the vendor of the software. The Department is neither authorized nor able to assist with any software package.

Last Update: February 2, 2012



**LIST OF ADDITIONAL INSURED PARTIES  
FOR WHICH THE CONTRACTOR MUST PROVIDE COVERAGE**

**P.I.N. 9041.34**

State of New York/New York State Department of Transportation

Broome County

Town of Union

Village of Endicott

Coverage must also be provided for any consultant inspecting engineer or inspector (and their agents) working for or on the project.

The above listing supplements Section 107-06 INSURANCE of the Standard Specifications.

## New York State Uniform Contracting Questionnaire (CCA-2)

In accordance with §103-01 of the Standard Specifications, the NYS Department of Transportation requires that a review of a firm's responsibility be performed prior to the award of a contract or approval of a subcontract. A **New York State Uniform Contracting Questionnaire (CCA-2)** is the primary tool used to perform this review. A completed CCA-2 must be on file with NYSDOT to be considered for the award of a contract or for the approval of a subcontract. An approved CCA-2 covers NYSDOT work for 12 months from date of receipt.

Any low bidder who does not have a completed CCA-2 on file within ten days of receipt of a contract for execution may be subject to the forfeiture of the amount of the bid deposit pursuant to §103-02 of the Standard Specifications.

There are three CCA-2 options available on the NYSDOT website <https://www.dot.ny.gov/bids-and-lettings/construction-contractors/general-info>: online filing (VendRep), a Rich Text fillable form, and an Adobe Acrobat fillable form. No previous versions of the form will be accepted.

If a firm chooses to file online at [http://osc.state.ny.us/vendrep/popups/vendor\\_construction.htm](http://osc.state.ny.us/vendrep/popups/vendor_construction.htm) (site of the Office of the New York State Comptroller's VendRep repository), please note that the online VendRep System is only a repository of information with the Office of the State Comptroller (OSC). Although there is a certification completed in VendRep, it is only an electronic signature. This certification does NOT mean the CCA-2 has been reviewed and approved by any Agency. The firm **must** notify [vendorresponsibility@dot.ny.gov](mailto:vendorresponsibility@dot.ny.gov) by sending an e-mail stating that the online filing has been completed. This notification will initiate the review process. The firm cannot begin work for NYSDOT until a responsibility determination has been made by the Contract Management Bureau.

If choosing one of the other options, a firm **must print out and MAIL** its original, notarized CCA-2 to NYSDOT's Contract Management Bureau. Whichever format is used, all Attachments must be completed. A firm may use its own spreadsheets, but must provide all of the information requested. Either of the following may be substituted for an Attachment C: the firm's corporate balance sheet (including any Accountant's Notes or Reports referenced), or a copy of the Schedule L filed with its IRS Form 1120. Once all of the completed paperwork has been received, the approval process will begin. All responsibility checks must be completed by NYSDOT before a firm is approved to begin work.

Questions regarding the CCA-2 may be directed to the Contract Management Bureau, Vendor Responsibility Unit at (518) 457-1564.

**SPECIAL NOTES**

Location Maps

Landscape Development Notes

R.O.W.

Thruway

Canal

Funding

Asphalt and Fuel Price Adjustments

Specialty Items

Other Special Notes

Other Project Special Notes

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*NOTE: This form was developed for repetitive use throughout all contract proposals and may identify items not applicable to this specific project.*

**SPECIAL NOTE**  
**Applicable Standard Sheets**

The “STANDARD SHEETS (US Customary Units) May 1, 2016 (Amended)”  
available at –

<https://www.dot.ny.gov/main/business-center/engineering/specifications/busi-e-standards-usc>

- shall be considered the latest revisions of the standard sheets maintained by the Department for the purposes of this contract.

**SPECIAL NOTE**  
**TEMPORARY LANE CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS**  
**(2015, 2016 & 2017)**

There shall be no temporary lane closures on roadway facilities owned and/or maintained by NYSDOT on the major holidays listed below.

Exceptions can only be made under the following conditions:

- Emergency work
- Work within long-term stationary lane closures
- Safety work that does not adversely impact traffic mobility and has been authorized by the Office of Traffic Safety & Mobility

Construction activities that will result in temporary lane closures shall be suspended to minimize travel delays associated with road work for major holidays as follows:

**2015**

Independence Day - Saturday, July 4. Beginning 6:00 AM Friday, July 3 and ending 6:00 AM Monday, July 6.

Labor Day - Monday, September 7. Beginning 6:00 AM Friday, September 4 and ending 6:00 AM Tuesday September 8.

Thanksgiving Day - Thursday, November 26. Beginning 6:00 AM Wednesday, November 25 and ending 6:00 AM Monday, November 30.

Christmas Day - Friday, December 25. Beginning 6:00 AM Thursday, December 24 and ending 6:00 AM Monday, December 28.

**2016**

New Years Day - Friday January 1. Beginning 6:00 AM Thursday, December 31 and ending 6:00 AM Monday, January 4.

Memorial Day - Monday May 30. Beginning 6:00 AM Friday, May 27 and ending 6:00 AM Tuesday, May 31.

Independence Day - Monday July 4. Beginning 6:00 AM Friday, July 1 and ending 6:00 AM Tuesday, July 5.

Labor Day - Monday, September 5. Beginning 6:00 AM Friday, September 2 and ending 6:00 AM Tuesday, September 6.

Thanksgiving Day - Thursday, November 24. Beginning 6:00 AM Wednesday, November 23 and ending 6:00 AM Monday, November 28.

Christmas Day - Sunday, December 25. Beginning 6:00 AM Friday, December 23 and ending 6:00 AM Monday, December 26.

**2017**

New Years Day - Sunday January 1. Beginning 6:00 AM Friday, December 30 and ending 6:00 AM Monday, January 2.

Memorial Day - Monday May 29. Beginning 6:00 AM Friday, May 26 and ending 6:00 AM Tuesday, May 30.

Independence Day - Tuesday July 4. Beginning 6:00 AM Friday, June 30 and ending 6:00 AM Wednesday, July 5.

Labor Day - Monday, September 4. Beginning 6:00 AM Friday, September 1 and ending 6:00 AM Tuesday, September 5.

Thanksgiving Day - Thursday, November 23. Beginning 6:00 AM Wednesday, November 22 and ending 6:00 AM Monday, November 27.

Christmas Day - Monday, December 25. Beginning 6:00 AM Friday, December 22 and ending 6:00 AM Tuesday, December 26.

**SPECIAL NOTE - Special Specification Pay Item Numbers**

The contractor’s attention is directed to the special specification pay item formats used in this contract. Special specification pay items may be presented in three different formats:

- Format 1. Pay items for a special specification will have five digits to the left of the decimal point and up to six digits to the right of the decimal point. The two left-most digits represent the origin of the specification. Reference Standard Specification §101-02 Specifications.
- Format 2. Pay items for a special specification will have three digits to the left of the decimal point and up to eight digits to the right of the decimal. Spaces may appear in the third to sixth places after the decimal. The 7th and 8th digits to the right of the decimal will represent the origin of the specification.
- Format 3. Pay items for a special specification will have three digits to the left of the decimal point and up to eight digits to the right of the decimal. Dashes may appear in the third to sixth places after the decimal. The 7th and 8th digits to the right of the decimal will represent the origin of the specification.

Where items in this contract appear in multiple formats, the formats shall be equated to each other as illustrated below:

Format 1	Format 2	Format 3
xxxxx.xx	xxx.xx    xx	xxx.xx----xx
xxxxx.xxxx	xxx.xxxx    xx	xxx.xxxx--xx
xxxxx.xxxxxx	xxx.xxxxxxxx	xxx.xxxxxxxx

**SPECIAL NOTES****GREEN CONSTRUCTION REQUIREMENTS****ULTRA LOW SULFUR DIESEL FUEL**

In order to reduce diesel emissions, the Contractor shall use Ultra Low Sulfur Diesel (ULSD) fuel to operate all diesel engines used to complete the work that will operate for 10 hours or more on the contract site. ULSD fuel requirements shall apply to:

- All diesel engines/equipment.
- Stationary and mobile equipment.
- Owned, leased and rented equipment.

The hours the piece of equipment is used to complete the work is defined as the actual time the engine is running. The time may be continuous or discontinuous and includes warm-up periods idling, in traffic periods, etc.

The term "Contractor" is intended to mean both Prime Contractors and Subcontractors. Materials delivery vehicles not owned by the Contractor/Subcontractor are exempt from this requirement, but should minimize idling time at construction sites when ever possible.

The Contractor will be notified when any diesel powered construction equipment is in non-compliance. Non-compliance shall be corrected within a 24-hour period.

**SPECIAL NOTES****GREEN CONSTRUCTION REQUIREMENTS****CONTROLLING EXPOSURE TO DIESEL EXHAUST**

The Contractor shall exercise measures to protect “Sensitive Receptors” from the impacts of diesel exhaust fumes. Sensitive Receptors include, but are not limited to: hospitals, schools, daycare facilities, building fresh air or ventilation intakes, elderly housing or convalescent facilities. The Contractor shall ensure that diesel powered engines are located away from building air conditioners and windows.

The goal is to minimize exposure of Sensitive Receptors in close proximity to diesel exhaust, in terms of both concentration and time. In general, close proximity is defined as within 15 meters of a Sensitive Receptor. Mitigation techniques include positioning stationary equipment exhausts greater than 15 meters from Sensitive Receptors, extension of equipment exhausts through the use of flexible tubing; protecting building air intakes; and the use of moving operations.

Idling time for diesel powered equipment shall be limited to three consecutive minutes for delivery and dump trucks and all other diesel powered equipment except as follows:

- When a “mobile source” (vehicle) is forced to remain motionless because of traffic conditions or mechanical difficulties over which the operator has no control.
- When it is necessary to operate a loading, unloading or processing device.
- When the outdoor temperature is less than - 3°C (27°F).
- When the “mobile source” is being repaired.

Arrow panels and portable variable message signs shall be solar powered wherever possible or practical.

Whenever possible and practicable, the Contractor shall establish staging areas for diesel powered vehicles waiting to load or unload materials at the work site. Such areas shall be located where diesel emissions have the least impact on Sensitive Receptors and the general public.



**SPECIAL NOTES****GREEN CONSTRUCTION REQUIREMENTS****DUST CONTROL**

The Contractor shall minimize dust from disturbed soil surfaces or other materials that can cause off-site damage, health hazards and traffic safety problems. Dusty conditions resulting from the Contractor's operations shall be corrected at no additional cost to the State. Buffer areas of vegetation should be left where practical. Water quality shall be considered when selecting materials for dust control. An approved dust palliative may be used in conformance with applicable conditions placed on its use. A list of acceptable dust palliatives is available at: [www.nysdot.gov/divisions/engineering/technical-services/geotechnical-engineering-bureau/dust-palliatives](http://www.nysdot.gov/divisions/engineering/technical-services/geotechnical-engineering-bureau/dust-palliatives) .

For areas not subject to traffic, products and materials may be applied or placed on soil surfaces to prevent airborne migration of soil particles, including:

- Vegetative Cover –provides the most practical method of dust control.
- Mulch (including rolled erosion control products) –provides a fast, effective method of dust control.
- Spray Adhesives –Generally composed of polymers in a liquid or solid form mixed with water to form an emulsion that is sprayed on the soil surface. The mixing ratios and application rates will be in accordance with the manufacturer’s recommendations for the specific soils on the site. Adhesives shall not be applied to wet soils or if there is a probability of precipitation within 48 hours.

For areas subject to traffic (traveling public or construction traffic) products and materials may be applied or placed on soil surfaces to prevent airborne migration of soil particles, including:

- Water Sprinkling – The site may be sprayed with water until the surface is wet. This is especially effective on haul roads and access routes.
- Polymer Additives –Polymers shall be mixed with water and applied to the driving surface using mixing ratios and application rates in accordance with the manufacturer’s recommendations. No application of the polymer will be made if there is a probability of precipitation within 48 hours of its proposed use. Any polymers must be used in accordance with the NYSDEC issued “Conditions for Use” and “Application Instructions.” This information can be obtained from the NYSDEC website.
- Barriers – Woven geotextiles or stone can be placed on the driving surface to effectively reduce dust throw and particle migration on haul roads.
- Windbreak – A silt fence or similar barrier can control air currents at horizontal intervals equal to ten times the barrier height. Preserve existing vegetation that acts as a wind barrier as much as practical.
- Wheel Washing – Mechanical or manual wet-method cleaning of on-road construction vehicle tires prior to leaving site.

**SPECIAL NOTE****Diesel Emission Reduction Act (DERA) Regulatory Compliance**

All Department Contractors and Subcontractors are made aware that Environmental Conservation Law (ECL) 19-0323 and New York State Department of Environmental Conservation (NYSDEC) regulation 6 NYCRR Part 248 *Use of Ultra Low Sulfur Diesel (ULSD) Fuel and Best Available Retrofit Technology (BART) for Heavy Duty Vehicles* requires 100% compliance beginning in 2010 for regulated heavy duty diesel vehicles working on all State awarded contracts. DERA is a requirement of ECL, not a contractual requirement of NYSDOT. NYSDEC is responsible for regulatory enforcement. NYSDOT is responsible for annual Regulatory Entity reporting.

All Department Contractors and Subcontractors shall make determinations of regulatory applicability for vehicles in inventory used on active Department contracts beginning January 1<sup>st</sup> of every year. These determinations shall be based on the definition of Heavy Duty Vehicle (HDV) including on and off road diesel vehicles having gross vehicle weights in excess of 8,500 pounds, excluding vehicles that are exempt as defined in 6 NYCRR 248-1.1(b)(14). Contractors and Subcontractors shall also quantify ULSD fuel used by regulated vehicles beginning with active contract work January 1<sup>st</sup> of every year.

An electronic copy of 6NYCRR Part 248 can be accessed at [www.dec.ny.gov/regulations/56222.html](http://www.dec.ny.gov/regulations/56222.html). Electronic copies of the Regulated Entity Vehicle Inventory Form and the Regulated Entity and Contractors Annual Report Form can be accessed under Part 248 Use of Ultra Low Sulfur Diesel Fuel and Best Available Retrofit Technology for Heavy Duty Vehicles at the following link: [www.dec.ny.gov/chemical/4754.html](http://www.dec.ny.gov/chemical/4754.html).

DERA annual reporting by Department Contractors and Subcontractors shall be submitted to NYSDOT by April 1<sup>st</sup> of every year (all 2010 information to NYSDOT by April 1, 2011, all 2011 information to NYSDOT by April 1, 2012, etc.). Beginning in 2011 the following numbered 2010 information shall be submitted:

1. Contact information including firm name, contact person, phone number and e-mail
2. Annual total quantity of ULSD fuel used by covered vehicles on NYSDOT contracts
3. Annual fleet information for covered vehicles on NYSDOT contracts as provided in the following table:

-Number of on-road HDVs as defined in 248-1.1(b)(14) of 6NYCRR Part 248
-Number of off-road HDVs as defined in 248-1.1(b)(14) of 6NYCRR Part 248
-Number of bi-fuel HDVs as defined in 248-1.1(b)(3) of NYCRR Part 248
-Number of inventoried HDVs retired from your fleet prior to end of reporting year and not replaced
-Number of Alternative-fuel vehicles as defined in 248-1.1(b)(2) of NYCRR Part 248
-Number of HDVs that have been repowered/replaced with 2007 USEPA Diesel certified engines
-Number of HDVs that have been retrofitted with a USEPA or CARB approved device prior to 2/12/07
-Total number of regulated vehicles subject to BART requirements
-Total number of regulated vehicles with a BART device
-Number of NYSDEC approved waiver HDVs
-Total number of compliant vehicles
-Percentage of fleet meeting BART requirements as per 248-3.1(e) of 6NYCRR Part 248

Electronic mail submissions to [dera@dot.state.ny.us](mailto:dera@dot.state.ny.us).

**SPECIAL NOTE**  
**OPTIONAL USE OF WARM MIX ASPHALT (WMA) TECHNOLOGIES**

The contractor has the option of using an Approved WMA Technology in the production of all 402, *Hot Mix Asphalt (HMA)* items, except *SUPERPAVE HMA with Ice Retardant* items, *Waterproofing Bridge Deck HMA* items, and *Paver-Placed Surface Treatment* items, at no additional cost to the State.

If the contractor chooses to use a WMA technology, the provisions of §401 and §402 shall apply including the following:

Use an approved technology appearing on the Approved List for *Technologies for Warm Mix Asphalt*. Design a mixture using a WMA Technology in accordance with MM 5.16, *Superpave Hot Mix Asphalt Mixture Design and Mixture Verification Procedure*. At a minimum, a one point verification of the mixture's volumetric properties is acceptable for the following situations:

- When the WMA mix design is based on an existing Production Status HMA mix design.
- When the WMA mix design is based on, and utilizes a different WMA technology than, an existing Production Status WMA mix design.

Comply with the latest manufacturer's "Production, Testing, and Compaction Details" from the Approved List for incorporating the WMA technology. Test specimens may be made from plant produced or laboratory prepared WMA. Test specimens must be made from plant produced WMA if adding the WMA technology in the lab does not simulate the production process. The Regional Materials Engineer (RME) may require a State representative be present during the fabrication and testing. Submit the WMA design to the RME for review and verification at least 14 calendar days before production, including:

- Name of WMA technology and the target dosage rate.
- If using an additive other than water,
  - Submit a MSDS for the additive.
  - Submit either enough of the additive for the laboratory mix design verification, or the additive pre-blended in the PG Binder at the correct dosage. If the additive is not pre-blended into the PG Binder, include directions for properly incorporating the additive into the laboratory made mixture.
- Prior to the submission of any mix design, contact the RME to determine if there is an increased concern regarding the mixture's moisture susceptibility based on the WMA technology and/or the type of aggregate being used, or the performance of similar mixes. The RME may require AASHTO T 283 moisture susceptibility test results, meeting a minimum Tensile Strength Ratio (TSR) of 80%, as part of the mix design submission.

Submit Production Quality Control Plan revisions incorporating the WMA technology if not previously submitted.

For 80 Series Compaction Method, complete all breakdown roller passes before the mat temperature falls below 230° F, unless approved by the Director, Materials Bureau.

When the asphalt mixture is being placed over a *Sheet-Applied Waterproofing Membrane*, maintain a minimum delivery temperature in accordance with the Material Detail Sheets prepared by the membrane manufacturer.

### HMA WITH CRUSHED GLASS

**SCOPE.** This specification covers the requirements for the addition of crushed glass to hot mix asphalt mixtures. The provisions of Section 402 - Hot Mix Asphalt (HMA) Pavements applies except that the Contractor has the option of blending of the crushed glass in the following mixes:

- 37.5 HMA Base Course
- 25.0 HMA Binder Course
- 19.0 HMA Binder Course
- Truing and Leveling Course

If Contractor chooses the crushed glass option, the following modifications to the Standard Specifications shall apply:

#### MATERIAL REQUIREMENTS

Crushed glass shall be subject to the approval of the Regional Materials Engineer prior to its use. The crushed glass shall contain no more than 1% (by weight) contaminants and shall meet the following gradation:

Sieve Size	Percent Passing
3/8 inch	100
1/4 inch	90-100
No. 30	0-20

Note: The gradation requirements may be modified upon approval by the Regional Materials Engineer.

Crushed glass may be included in the mixture up to 5%, maximum, of the total aggregate weight. The crushed glass, aggregate, and Performance-Graded Binder (PGB) shall meet the requirements specified in the Standard Specification §401-2.01 Hot Mix Asphalt Designs and §401-2.04 Performance-Graded Binder.

#### CONSTRUCTION DETAILS

The crushed glass shall be proportioned from a separate feed bin approved by the Regional Materials Engineer. In addition, all requirements pertaining to aggregate shall apply to crushed glass including the equipment requirements for automatic proportioning and recording as stipulated for aggregate in §401-3.08.

**METHOD OF MEASUREMENT.** The provisions of §401-4 and §402-4, Method of Measurement, shall apply.

**BASIS OF PAYMENT.** The provisions of §402-5, Basis of Payment, shall apply.

## USE OF RECLAIMED ASPHALT SHINGLES (RAS) IN THE PRODUCTION OF ASPHALT MIXTURES

**DESCRIPTION.** The provisions below cover the use of Reclaimed Asphalt Shingles (RAS) in the production of asphalt mixtures. Sections 401 and 402 of the NYS Standard Specifications apply except as modified herein.

### MATERIAL REQUIREMENTS

The Contractor has the option of using the following:

- Manufactured Waste (MW) RAS may be used in shim, base, binder, and top courses (excluding 6.3 HMA Top Course, Waterproofing Bridge Deck Overlay, and Ice Retardant mixtures).
- Post Consumer Waste (PCW) RAS and may be used in shim, base and binder courses.

The RAS must be stockpiled at the plant facility and shall be subject to the approval of the Regional Materials Engineer (RME) prior to its use. RAS shall meet the following requirements:

- Shall be from a source that has obtained a beneficial use determination (BUD) from the NYS Department of Environmental Conservation (DEC) as specified in 6 NYCRR 360-1.15.
- Shall be certified to be asbestos free.
- Shall be completely free of nails. In addition, it shall contain no more than 1% by weight of other deleterious materials such as glass, wood, plastic, etc.
- Shall meet the following gradation:

Sieve Size	Percent Passing	
	Min.	Max.
¼ inch (6.3 mm)	100	-
#4 (4.75 mm)	90	100
#8 (2.36 mm)	75	90
#16 (1.18 mm)	50	70
#30 (0.600 mm)	30	55
#50 (0.300 mm)	15	40
#100 (0.150 mm)	5	25
#200 (0.075 mm)	-	15

The maximum RAS allowed in the mixture is 2% by weight of the total mixture. A Control Plan for using shingles in HMA shall be developed and submitted to the Regional Materials Engineer detailing the control and testing of the stockpiles. RAS shall be uniformly blended with RAP to reduce clumping and must be stockpiled separate from other stockpiles. Other methods of reducing RAS clumping can be utilized with the approval of the RME.

**Rejuvenator.** A rejuvenator shall be added to PCW RAS using a pugmill or similar equipment to pre-blend and stockpile the rejuvenated PCW RAS. Alternatively, a spray system may be used

## USE OF RECLAIMED ASPHALT SHINGLES (RAS) IN THE PRODUCTION OF ASPHALT MIXTURES

to spray the rejuvenator onto the PCW RAS prior to its introduction into the plant mixer. The rejuvenator shall meet the requirements of ASTM D 4552, *Standard Practice for Classifying Hot-Mix Recycling Agents*. Other liquid products or methods which facilitate softening of the PCW RAS binder may be used with the approval of the Regional Materials Engineer. The application rate shall be as recommended by the rejuvenator supplier.

**Mixture Design.** Prior to production of the HMA, the mixture design shall be developed to meet all the requirements in the latest Materials Method (MM) 5.16, *Hot Mix Asphalt (HMA) Mixture Design and Mixture Verification Procedures*, available on the Department's website. The mixture design shall also meet the performance test criteria listed in the table below. The testing must be performed by an AASHTO Materials Reference Laboratory (AMRL) approved laboratory that has the capability of performing these tests. When RAS is used in conjunction with RAP, the total percentage of reclaimed material shall not exceed the maximum of 20% for Top Course and Binder Course, and 30% for Base Course currently allowed under the specifications during the production of HMA.

### Mixture Performance Test Requirements

Tests	Specification Criteria
Dynamic Modulus, AASHTO TP 79	Report
Flow Number, AASHTO TP 79	200, min.
Flexural Beam Fatigue, AASHTO T 321, 750 $\mu$ -Strains	10,000 cycles, min.
Overlay Tester, TxDOT TEX-248F	300 cycles, min.

**Reclaimed PG Binder Ratio:** The ratio of reclaimed PG binder from the RAP and RAS to the total PG binder content shall not exceed 0.2.

### CONSTRUCTION DETAILS

The provisions of Section 401 and Section 402 apply except that the RAP/RAS stockpile shall be tested at a frequency of at least once per day of production to determine the asphalt content and the gradation of the combined reclaimed material.

**D263195**  
**US CUSTOMARY FUEL PRICE ADJUSTMENT**

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<b>FUEL PRICE ADJUSTMENT<sup>1</sup> CONVERSION FACTORS</b>		
<b>MATERIAL DESCRIPTION</b>	<b>CONVERSION FACTOR</b>	<b>ITEM NUMBER<sup>2</sup></b>
Unclassified Excavation	0.35 gal/yd <sup>3</sup>	203.02
Embankment	0.10 gal/yd <sup>3</sup>	203.03, 620.xx
Fill	0.45 gal/yd <sup>3</sup>	203.05, 203.06, 203.07, 203.08xx, 203.20, 203.21, 203.25
Controlled Low Strength Material	1.00 gal/yd <sup>3</sup>	204.01, 204.02, 204.03, 204.04
Trench/Culvert/Structure Excavation	0.50 gal/yd <sup>3</sup>	206.01, 206.0201
Bituminous Stabilized Course	1.40 gal/yd <sup>3</sup>	302.01, 307.01
Sub-base Course	1.00 gal/yd <sup>3</sup>	304 Items
Hot Mix Asphalt	2.50 gal/ton	402 Items <sup>3</sup> , 405.01, 608.020102 <sup>3</sup> , 619.0601 <sup>4</sup> , 624.02xxx <sup>3,4</sup> , 633.14 <sup>3,4</sup> , 633.15 <sup>3,4</sup> , 633.16 <sup>3,4</sup>
Milling	0.10 gal/yd <sup>2</sup>	490 Items
Portland Cement Concrete Pavement	1.00 gal/yd <sup>3</sup>	502 Items <sup>3</sup> , 503.1010, 503.1011, 503.1012
Fill Type Retaining Walls	0.45 gal/yd <sup>3</sup>	554.30xx <sup>5</sup> , 554.31 <sup>5</sup> , 554.4x <sup>5</sup>
Footing Concrete & Concrete for Structures - All classes	1.00 gal/yd <sup>3</sup>	555 Items, 582.05
Approach Slabs	0.33 gal/yd <sup>2</sup>	557.2001, 557.2002, 557.2003, 557.2009, 557.22
Structural Slabs with bottom formwork	0.25 gal/yd <sup>2</sup>	557.01xx, 557.07, 557.30
Structural Slabs - no bottom formwork	0.15 gal/yd <sup>2</sup>	557.05xx, 557.09
Class D Concrete	0.05 gal/yd <sup>2</sup>	557.13, 584 Items
Concrete Barrier, Type A	0.16 gal/ft	606.3001, 606.3021, 606.3031
Concrete Barrier, Type B	0.19 gal/ft	569.01, 606.3002, 606.3022, 606.3032
Concrete Barrier, Type C	0.22 gal/ft	606.3003, 606.3023, 606.3033
Concrete Barrier, Half Section	0.11 gal/ft	569.02, 606.3004, 606.3024, 606.3034
Concrete Median Barrier, Single Slope	0.23 gal/ft	569.05, 606.3041, 606.3043, 606.3044
Concrete Median Barrier Wide, Single Slope	0.28 gal/ft	606.3051, 606.3053, 606.3054

**D263195**  
**US CUSTOMARY FUEL PRICE ADJUSTMENT**

<b>FUEL PRICE ADJUSTMENT<sup>1</sup> CONVERSION FACTORS</b>		
<b>MATERIAL DESCRIPTION</b>	<b>CONVERSION FACTOR</b>	<b>ITEM NUMBER<sup>2</sup></b>
Concrete Barrier Half Single Slope	0.17 gal/ft	569.04, 606.3061, 606.3063, 606.3064
Vertical Faced Concrete Parapet	0.10 gal/ft	569.03
Gravel, Stone, Slag	1.00 gal/yd <sup>3</sup>	411.01, 411.02, 411.03, 623.1x
Concrete Sidewalks and Driveways	1.00 gal/yd <sup>3</sup>	608.01xx
Topsoil	0.45 gal/yd <sup>3</sup>	610.10, 610.11xx, 610.14xx
<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. In accordance with Standard Specification §698-3.02, the index value for the fuel price adjustment is the posted price for the month of bid letting.</li> <li>2. Item Number - This is the contract pay item number under which these materials are most frequently paid. Unless indicated otherwise, materials similar to those indicated under the column entitled "Material Description" are also eligible for adjustment using the factor listed for a similar material with the same pay units regardless of the actual contract pay item number.</li> <li>3. Quality Adjustment Items (402/502/608/624) are not eligible for fuel price adjustment.</li> <li>4. Fuel Price Adjustment Conversion Factor based on units of TONS of asphalt placed, not the pay units of this item.</li> <li>5. Fuel Price Adjustment Conversion Factor based on units of CY of backfill paid under this item, not the pay units of this item.</li> </ol>		



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**US CUSTOMARY ASPHALT PRICE ADJUSTMENT**

**53**

<b>ASPHALT PRICE ADJUSTMENT<sup>1</sup> CONVERSION FACTORS</b>		
<b>MATERIAL DESCRIPTION</b>	<b>CONVERSION FACTOR</b>	<b>ITEM NUMBER<sup>2</sup></b>
Bituminous Stabilized Course	0.065 t PGB/yd <sup>3</sup>	302.01
Asphalt Treated Permeable Base, Type 1	0.030 t PGB/t	402.010902
Asphalt Treated Permeable Base, Type 2	0.035 t PGB/t	402.011902
Shim Course	0.0825 t PGB/t	402.058902
6.3 SUPERPAVE HMA	0.067 t PGB/t	402.068xxxx8 RR
9.5 SUPERPAVE HMA	0.062 t PGB/t	402.09xxxx
12.5 SUPERPAVE HMA	0.055 t PGB/t	402.12xxxx
19 SUPERPAVE HMA	0.049 t PGB/t	402.19xxxx
25 SUPERPAVE HMA	0.045 t PGB/t	402.25xxxx
37.5 SUPERPAVE HMA	0.040 t PGB/t	402.37xxxx
Paved Placed Surface Treatment, Types A, B, and C	0.064 t PGB/t	415.01xyyy03
Micro-Surfacing, Quick-Set Slurry	0.078 t PGB/t	410.102102 RR, 410.103102 RR, 410.104102 RR, 410.202302 RR, 410.203302 RR
Straight Tack Coat	0.0026 t PGB/gal	407.0103
Asphaltic Sealants (ASTM 6690)	0.0027 t PGB/gal	402.75xx RR, 402.76xx RR, 402.76020018
Chip Seal	0.0027 t PGB/gal	410.0105006, 410.07
Asphalt Emulsion for Cold Recycling	0.0027 t PGB/gal	416.02xx
Fog Seal and Dilute Tack Coat	0.0016 t PGB/gal	407.0102, 416.04, 410.0106006
PG Binder for Cold Recycling	0.0043 t PGB/gal	416.03
Asphaltic Sealant – Clean & Seal	0.225 t PGB/LNMI	402.76030008, 412.76030001
Asphaltic Sealant – Treating Cracks	0.240 t PGB/LNMI	412.76040001
Asphaltic Sealant – Rout & Seal	0.270 t PGB/LNMI	402.76010008
Repair of HMA Pavement, Temporary Asphalt	See Note 4	633.14, 633.15, 633.16, 619.06xx
True and Leveling, Asphalt Sidewalks, Driveways, Bike Paths, Gutters	See Note 5	402.017902, 402.01890xxx, 608.020102, 624.02xx

**D263195**  
**US CUSTOMARY ASPHALT PRICE ADJUSTMENT**

**ASPHALT PRICE ADJUSTMENT<sup>1</sup> CONVERSION FACTORS**

**Notes:**

1. In accordance with Standard Specification §698-3.01, the index value for the asphalt price adjustment is the average posted price of Performance Graded Binder (PGB) for the month of bid letting.
2. Item Number - This is the contract pay item number under which these materials are most frequently paid. Unless indicated otherwise, materials similar to those indicated under the column entitled "Material Description" are also eligible for adjustment using the factor listed for a similar material with the same pay units regardless of the actual contract pay item number.
3. Quality Adjustment Items (402/608/624) are not eligible for asphalt price adjustment.
4. Asphalt Price Adjustment Conversion Factor based on units of TONS of asphalt placed, not the pay units of this item. The conversion factor for HMA Pavement Repair and Temporary Asphalt will be based on the actual asphalt mixture used.
5. The conversion factor for Truing and Leveling, Driveways, and other items that allow asphalt mix options, will be based on the actual mixtures used.
6. A two digit suffix (RR) at the end of a contract pay item indicates a special specification.
7. The conversion factors for HMA mixed with slag shall be increased by 25%.
8. t = tons

**SPECIAL NOTE**  
***INSURANCE COVERAGE***

By virtue of the scope, location, type, and/or estimated value, the following types of insurance, listed in the Standard Specifications §107-06B do not apply to this project and the Contractor is under no obligation to furnish proof of such insurance.

**Professional Liability/ Errors and Omissions is not required** unless the Contractor intends to include professional services requiring the signature, stamp or certification of a licensed professional, including, without limitation, erection plans, demolition plans, containment plans, coffer dams, and temporary sheeting.

**Railroad Protective Liability Insurance is not required** because the project scope does not require work affecting any Railroads as described in §105-09.

**Marine Protection & Indemnity Insurance is not required** because the project scope does not require any Work performed on a navigable waterway using barges or other watercraft.

**Pollution Liability Insurance is not required** because the Contractor will not employ mobile equipment or tanks or facilities for fueling vehicles or equipment on-site. The Contractor will only use licensed and registered vehicles that are covered by a Commercial Automobile Policy, or provide the Pollution Liability Insurance.

***BUILDERS' RISKS INSURANCE:***

- Builders' Risks Insurance is not required for this contract.

**SPECIAL NOTE**  
**P.I.N. 9041.34**

**WORK ZONE TRAFFIC CONTROL**

GENERAL NOTES:

The contractor shall be aware that Work Zone Traffic Control is a critical item and shall be provided in accordance with Section 619 of the Standard Specifications, The National Manual of Uniform Traffic Control Devices (NMUTCD), and the NYS Supplement.

WORK ZONE TRAFFIC CONTROL SET-UPS:

WZTC set-ups will involve both intermediate-term stationary and mobile operations. The typical details depicted in the Standard Sheets and in the NMUTCD reflect the minimum requirements. Field conditions may require additional signs or slight modifications to sign locations to accommodate acceptable sight distances. Other conditions in the field may require the modification or use of additional typical applications. Refer to the NMUTCD and the NYS Supplement when encountered.

MILLED PAVEMENT:

Traffic will be permitted to travel on the milled surface for no more than 2 weeks unless permission is obtained from the EIC.

The contractor shall setup Warning Signs, (W8-15, GROOVED PAVEMENT) to alert motorists of the milled surface conditions.

RAMPS AND CONNECTORS:

Traffic shall be maintained on ramps and connectors at all times.

TRAFFIC SIGNAL DETECTION:

Traffic signal detection must be restored as soon as possible with a maximum of 14 days of its interruption.

Traffic signal loops shall be installed in the milled surface.

PAVEMENT EDGE DROP-OFFS:

Pavement edge drop-offs shall be delineated or tapered in accordance with Section 619 of the NYSDOT Standard Specifications. The unit bid price for Item 619.01 shall include the cost of furnishing all labor, materials and equipment necessary to complete the work.

**SPECIAL NOTE  
P.I.N. 9041.34**

**WORK ZONE TRAFFIC CONTROL**

WORK HOURS, NIGHT-TIME OPERATIONS:

The hours of construction activity will be restricted to the hours between 9:00 pm to 6:30 am from 9:00 pm Sunday to 6:30 am Friday.

Signal and Pavement Marking work will be permitted from 9:00am to 3:00pm on all side streets Monday through Friday.

OTHER RESTRICTIONS/NOTES:

Events such as the Dicks Sporting Goods Open which runs from 7/6/2016 through 7/10/2016, may require special coordination of traffic which will be determined by the EIC.

Access for Village of Endicott Fire Department shall be maintained at all times during paving operation using Jefferson Ave, Madison Ave or Park St.

**SPECIAL NOTE**  
**P.I.N. 9041.34**

**OVERTIME NOTE**

If Department funds are allocated, the Department intends to have inspection resources available if the contractor desires to work overtime and has received permission to do so.

**SPECIAL NOTE**  
**P.I.N. 9041.34**

**ITEM 663.33 – ADJUST EXISTING VALVE BOX ELEVATION**

Contractor shall use Item 663.33 on a as needed basis to bring any existing valves to the proposed surface elevation.

**SPECIAL NOTE**  
**P.I.N. 9041.34**

**PROJECT COORDINATION NOTE**

The contractor shall coordinate all work with the following ongoing projects.

Ongoing Projects and Contact Information:

- **Union Endicott High School Parking lot Entrance Reconstruction** – Project that will be taking place to redesign the west parking lot reconstruction. Project will also include the reconstruction of the west sidewalk ramp at parking lot entrance.

Contact Information:

Ronald Yates,  
BCK – IBI Group

41 Chenango St.  
Binghamton, NY 13901

Phone: (607) 722-0007  
Fax: (607) 723-7234  
Email: [jcdops@stny.rr.com](mailto:jcdops@stny.rr.com)

- **D262932/P.I.N. 9ADA.16** - Americans with Disabilities Act Accessibility Block 15-16

Contact Information:

Rick Kotasek, P.E.  
NYSDOT, Regional Construction Supervisor

44 Hawley St.  
Binghamton, NY 13901

Phone: (607) 721-8097  
Fax: (607) 721-8113  
Email: [Tom.Hoskins@dot.ny.gov](mailto:Tom.Hoskins@dot.ny.gov)



**GENERAL NOTE**  
**P.I.N. 9041.34**

PERMITS:

The contractor shall give all necessary notices, obtain all permits and pay all legal fees encountered in the work. He shall also comply with all public agency laws, ordinances or regulations of the State of New York and all local agencies having jurisdiction over work of this character. Where a conflict occurs between these specifications and the requirements of a permit, ordinance, regulation or local agency law, the most restrictive case shall prevail. This, however, shall not be interpreted to permit the use of materials, equipment or work procedures that are inferior to those specified.

**SPECIAL NOTE**  
**P.I.N. 9041.34**

**ITEM 633.14 – REMOVAL AND REPAIR OF DETERIORATED HMA**

Removal and repair of deteriorated HMA pavement shall take place prior to milling.

Due to possible variations and uncertainty of HMA repair depths, Item 633.14 will be paid as follows;

Repair depths up to 3” (average depth) will be measured and paid as per Standard Specifications 633-4.04.

Repair depths greater than 3” shall be computed as follows:

$$\text{Payment area} = \text{Repair Area} \times \frac{\text{Average Depth of Repair (inches)}}{3 \text{ inches}}$$

The average depth of repair will be measured from the original surface.

The contractor shall refer to the Standard Specifications, Section 402-3.05, Table 402-3, “Mixture Selection for T&L Course” for guidance on selecting the appropriate pavement type for HMA repairs to be paid for under Item 633.14.

**SPECIAL NOTE  
P.I.N. 9041.34**

**PAVING NOTES**

Tack Coat shall be applied between the milled surface and the proposed inlay and between all proposed asphalt courses.

The finished cross slope shall match the existing cross slope except as noted on the plans.

**PIN 9041.34****SPECIAL NOTE****PG BINDER AND MIX DESIGN LEVEL**

Requirements of this note apply to all Section 402 and Section 404 Asphalt (HMA and WMA) items in this contract.

**PG BINDER**

Use polymer or Terminal Blend Crumb Rubber modified **PG 64V-22** (Very High) meeting the requirements of AASHTO M 332, *Standard Specification for Performance Graded Asphalt Binder using Multiple Stress Creep Recovery (MSCR)*, for the production of hot mix asphalt mixtures for this project. In addition, the binder grade must also meet the **elastomeric** properties as indicated by one of the following equations for %R<sub>3.2</sub>:

1. For  $J_{nr3.2} \geq 0.1$ ,  $\%R_{3.2} > 29.371 * J_{nr3.2}^{-0.2633}$
2. For  $J_{nr3.2} < 0.1$ ,  $\%R_{3.2} > 55$

Where

R<sub>3.2</sub> is % recovery at 3.2 kPa

J<sub>nr 3.2</sub> is the average non-recoverable creep compliance at 3.2 kPa

When terminal blend CRM PG binder is used, the following shall apply:

- Crumb rubber particles shall be finer than #30 sieve size.
- The CRM PG binder shall be storage-stable and homogeneous.
- The Dynamic Shear Rheometer (DSR) shall be set at 2-mm gap.
- The CRM PG binder shall be 99% free of particles retained on the 600 µm sieve as tested in accordance with Section 5.4 of M 332.

Use of polyphosphoric acid (PPA) to modify the PG binder properties is prohibited for mixtures under this contract. This prohibition also applies to the use of PPA as a cross-linking agent for polymer modification.

**MIX DESIGN**

The mixture designs must be developed in accordance with the criteria specified in the HMA items that are appropriate for an Estimated Traffic Level of <30 Million ESALs.

**Note:** The PG binder for this project will be modified with polymer or CRM additives to meet the requirements stated above. Handling of the HMA shall be discussed at pre-construction and pre-paving meetings.

**SPECIAL NOTE  
P.I.N. 9041.34**

**TRAFFIC SIGNAL NOTE**

**CABLE SPLICES:**

The only method allowed for splices for cable runs in this contract will be as follows:

The outer covering and insulation will be removed from each conductor for a minimum length necessary to use a pressure release crimping tool. The conductor ends will be bared and joined with a seamless, solder-less, insulated type sleeve connector of the same AWG size as the conductor being spliced using a pressure release crimping tool designed for the size connector being used. After crimping the sleeve connector will maintain proper contact with both conductors around the circumference of the splice and along the length of the sleeve. The sleeve connectors shall be staggered so that they are not opposite each other to minimize the outside diameter of the spliced cable. The portion of each conductor where insulation has been removed, and the sleeve connector installed will be re-insulated using an appropriately sized heat shrink tubing to extend at least 1" onto the undisturbed insulation of each conductor and a coat of fast sealing agent of electrical grade, wrapped tightly with overlapping layers of rubber tape, a second coat of the sealing agent applied, and then wrapped tightly with overlapping layers of polyvinyl chloride tape, and a final coat of fast sealing agent applied.

All coats of sealing agent and tape shall extend at least 1 inch onto the undisturbed insulation of each conductor. Sufficient layers of tape shall be applied to equal 1.5 times the thickness of the original insulation.

Rejacketing the cable shall be accomplished in a similar manner as described above except that the sealing agent and tape shall extend at least 4 inch onto the undisturbed outer covering of each cable.

**INSTALLATION OF LOOPS:**

The contractor shall layout the location of loops, at least five (5) working days prior to installation for EIC review and approval. All 6' x 6' loops are to be three-turn; 6' x 20' loops are to be one-turn (quad) and any Type S loops are to be five-turn. From Standard Sheet 680-14, the distance between loop wire lead-ins shall be increased from 6" (typ) to 24" (typ).

New Traffic Signal Loops shall be placed into milled surface. Traffic Signal Detection disrupted at project sites due to curb ramp work shall be repaired within 24 hours. Traffic Signal Detection disrupted due to milling operations shall be restored within 7 days on side streets and 14 days on mainline.

**IDENTIFICATION & INSTALLATION OF WIRES:**

The contractor shall run single cable wire, shielded lead-in wiring into the cabinet and connect to the field wiring terminals. The New York State Traffic Signal Crew will provide the EIC field wire information. All wiring shall be suitably identified with plastic cable markers.

**SPECIAL NOTE**  
**P.I.N. 9041.34**

**SPECIALTY ITEMS**

The following list contains items, which require special skill and/or comprises work, which is not relevant to the general type of construction contained in the contract, and thus are deemed to be specialty items.

<u>ITEM</u>	<u>DESCRIPTION</u>
206.XXXX	ALL ITEMS
625.XXXX	ALL ITEMS
645.XXXX	ALL ITEMS
680.XXXX	ALL ITEMS
685.XXXX	ALL ITEMS

**SPECIAL NOTE  
P.I.N. 9041.34**

**ITEM 402.018902 - TRUE AND LEVELING**

The contractor's attention is directed to the use of Item No. 402.018902. This item is not intended to be used as a full course.

It shall be used at spot locations to remove irregularities in the old pavement, (i.e. wheel path rutting and potholes) as specified by the EIC.

It shall be used to repair wheel ruts to improve surface drainage, as specified by the EIC.

SPECIAL NOTE  
COORDINATION WITH THE UTILITY SCHEDULE

**ROUTES 17C AND 26 HARRISON AVE TO ADAMS AVE**

**PIN 9041.34**

Utility facility adjustments and/or relocations are not anticipated for this project. If the Department determines that utility facility adjustments and/or relocations will be necessary, the provisions of Section 102-03, "Cooperation between Contractors" and Section 105-06, "Cooperation with Utilities and Other Contractors" will apply.

Any such adjustments and/or relocations will be performed by the Utility owners and/or the State Contractor upon direction by the State Engineer-In-Charge.

Suitable time frames for these additions shall be coordinated between the State, the Contractor, and the affected Utility.

The Contractor is governed by and must adhere to the provisions of 16 NYCRR Part 753, "Protection of Underground Facilities."

The Contractor shall conduct all operations in accordance with all OSHA rules and regulations and in accordance with New York State Labor Law, Section 202-h, "The High Voltage Proximity Act."

**Note: Though the project requires no utility pole, line, and/or underground relocations, Verizon & Time Warner Cable will need to adjust the elevation of their junction boxes at the intersection of NYS Route 26 with Harrison Ave. Therefore the Contractor will need to coordinate and discuss the adjustment with Verizon & Time Warner in advance as noted below.**

Verizon

Verizon will adjust their junction box elevation at intersection of NYS Route 26 with Harrison Ave. and with 4 (four) weeks advance notification for scheduling purposes, Verizon will need 1 (one) week to adjust the manhole.

Time Warner Cable

Time Warner Cable will adjust their junction box elevation at intersection of NYS Route 26 with Harrison St. and with 2 (two) weeks advance notification for scheduling purposes, Time Warner Cable will need 1 (one) week to adjust the manhole.



**Utility Contacts:**

## Verizon

Kenneth Dukes  
Verizon Engineering  
3<sup>rd</sup> Floor  
17-19 Elm Street  
Oneonta NY 13820  
(607) 432-9901

## Time Warner Cable

Robert Dickson  
483 Plaza Dr.  
Vestal, NY 13850  
(607) 768-7468

## NYSEG Electric

(In case an emergent condition arises during construction as NYSDOT will place a service request to have guy wire removed from handicap ramp at intersection of NYS Route 26 with Harrison Ave.)

Mike Caruso  
4425 Old Vestal Road  
PO Box 3607  
Binghamton, NY 13902-3607  
(607) 762-5699

## Village of Endicott Electric

(In case an emergent condition arises during construction as NYSDOT Contractor will adjust the Village Endicott Electric junction box)

Chad Scott  
409 Hunt Ave.  
Endicott, NY 13760  
(607) 205-0707

If the Contractor has any questions and or concerns pertaining to the water valve adjustments they should contact Village of Endicott Water Department.

Contact Information:

Bruce Barton  
Village of Endicott Water Department  
1009 East Main St  
Endicott, NY 13760-5290  
607-757-5301

Kent Rapp  
Village of Endicott Engineer  
1009 East Main St  
Endicott, NY 13760-5290  
607-757-2425

If the Contractor has any questions and or concerns pertaining to the gas valve adjustments they should contact NYSEG.

Contact Information:

Curt Parvin  
NYSEG Construction  
PO Box 3607  
Vestal, NY 13902  
607-762-5327

Bob Tompkins  
NYSEG Construction  
PO Box 3607  
Vestal, NY 13902  
607-762-5317



**DESCRIPTION**

Section §608-1 of the Standard Specifications shall apply.

**MATERIALS**

Section §608-2.07 of the Standard Specification shall apply with the following modifications:

**Embedded Detectable Warning Units 726-02**

All embedded detectable warning units shall be cast iron. No other material will be accepted. Installation of detectable warning units shall be in accordance with manufacturer's recommendations. All detectable warning units shall have a natural finish color.

**CONSTRUCTION DETAILS**

Cast iron detectable warning units shall be installed in wet concrete as directed by the manufacturer. Follow all applicable manufacturer's requirements for environmental conditions, surface preparation, installation procedures, curing procedures, and materials compatibility.

**METHOD OF MEASUREMENT**

Section §608-4.07 of the Standard Specifications shall apply.

**BASIS OF PAYMENT**

The unit bid price per square yard shall include all labor, material, and equipment necessary to satisfactorily complete the work, including bedding material. No adjustment shall be made for concrete removed to accommodate embedded units.

Payment will be made under:

<b>Item No.</b>	<b>Item</b>	<b>Pay Unit</b>
608.21000003	Cast Iron Embedded Detectable Warning Units	Square Yard

**ITEM 627.50140008 - CUTTING PAVEMENT****DESCRIPTION:**

The contractor shall cut existing asphalt pavement, concrete pavement, asphalt surface course, or asphalt concrete overlay on concrete pavement at the locations indicated and detailed on the plans and as directed by the Engineer.

**MATERIALS:**

None specified.

**CONSTRUCTION DETAILS:**

Existing pavement and overlay shall be cut perpendicular to the roadway surface along neat lines, and to the depth indicated on the plans and typical sections, using appropriate equipment. After the pavement has been cut through, the Contractor may use pry bars, pneumatic tools or other methods, to pry loose the pavement to be removed from the pavement that is to remain. A pavement breaker may be used to break up the pavement to be removed after the pavement has been completely cut through and completely free from the pavement to remain.

When pavement cutting is called for in the Contract documents, if a neat vertical face with minimal shatter is obtained by performing an adjacent operation (such as milling) which eliminates the need to perform a separate pavement cutting operation, payment will be made for both the pavement cutting item and the item for the adjacent operation.

Any existing pavements and curbs not indicated to be removed that are damaged by the contractor's operations, shall be repaired at no additional cost to the State. Pavement cutting that the contractor chooses to do for his/her own convenience shall not receive any additional payment from the State.

**METHOD OF MEASUREMENT:**

The quantity to be measured will be the number of linear feet of pavement cutting satisfactorily completed.

**BASIS OF PAYMENT:**

The unit price bid per linear foot of pavement cutting shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work.

Payment for prying, breaking, removal and disposal of cut pavement shall be made through other appropriate items.

**ITEM 680.51000010 - ALTER ELEVATION OF PULL BOXES****DESCRIPTION:**

Under this item the Contractor shall alter the elevation of existing pull boxes in accordance with this specification, the details included in the contract plans, and the directions of the Engineer.

**MATERIALS:**

Existing pull box frames and covers shall be reused.

Concrete shall meet the material requirements for Portland Cement Concrete, Class A, as outlined under Section 501 of the Standard Specifications.

**CONSTRUCTION DETAILS:**

The Contractor shall exercise care in removing and reinstalling pull box frames and covers so as not to damage any part thereof. Any component parts damaged by the Contractor shall be repaired or replaced at the Contractor's expense to the satisfaction of the Engineer.

Pull box walls shall be reconstructed as shown on the contract plans.

**METHOD OF MEASUREMENT:**

This work will be measured as the number of pull boxes altered in accordance with the plans, specifications, and directions of the Engineer.

**BASIS OF PAYMENT:**

The unit price bid for this item shall include the cost of all labor, equipment, and materials necessary to complete the work.

**ITEM 680.81330010 – AUDIBLE PEDESTRIAN SIGNAL**  
**ITEM 680.81340010 – AUDIBLE PEDESTRIAN SIGNAL - WITH POST**

**DESCRIPTION**

Under this item the contractor shall furnish, install and configure an ADA compliant pedestrian push button station with audio capability, and its control unit, at each location as indicated in the contract documents or where directed by the Engineer.

**MATERIALS**

Each installed location shall have the following:

1. Pedestrian Push Button Station

The station housing shall be no larger than 14.25 inch high, 5.50 inch wide and 2.50 inches in depth.

The station housing shall be constructed of cast aluminum, have a powder coated paint finish and be dark green in color.

The station shall include a weather proof speaker to emit the audible sounds. This speaker shall be recessed and located in back of the unit

The station shall include a weatherproof ADA compliant 2" diameter push button that is pressure activated and includes a raised direction arrow. The push button shall be constructed of cast aluminum, have a powder coated paint finish and be dark green in color.

The station shall include a 9 inches x 15 inches aluminum pedestrian message sign. The sign supplied shall have the following information included on it: "To Cross Push Button" statement and explanations of the pedestrian signal indications controlling the intersection crossing - "Illuminated Person", "Flashing Hand" and "Steady Hand".

2. Control Unit

Each pedestrian push button station shall be controlled by a control unit. The control unit shall be designed so that it fits into any pedestrian signal head used by NYS. The control unit will be installed inside of the pedestrian signal head that is associated with the station, unless otherwise indicated by the contract documentation or directed by the Engineer. The input side of the control unit will be connected in parallel to the Walk and

Don't Walk AC signals that control the hand/person pedestrian LED's installed in the pedestrian signal head. The output side of the control unit will connect and control the push button station. Mounting hardware, to facilitate mounting of the control unit inside

of the pedestrian signal head, shall also be provided.

3. Programming Device

If an external device is needed to set up, configure and program the pedestrian push station, one device, unless this requirement is waived by the contract documents or by the Engineer, shall be supplied for each intersection that a pedestrian push button station is installed in.

**ITEM 680.81330010 – AUDIBLE PEDESTRIAN SIGNAL**  
**ITEM 680.81340010 – AUDIBLE PEDESTRIAN SIGNAL - WITH POST**

**OPERATIONAL FEATURES**

The stations push button shall be capable of providing the following:

An LED light indication and an audible tone for confirmation of push button activation.

A vibrating push button during the pedestrian walk cycle.

The audio sounds and messages emitted during the pedestrian walk cycle and in any combination shown below:

- A Standard pre-programmed voice walk message stating that the walk sign is on.
- Custom (programmed by vendor) walk messages as a substitute for the standard walk message.
- Audible chirp (for East/west intersection crossings) and cuckoo (for North/South intersection crossings).
- A minimum of one non-custom (pre-programmed and field configurable) voice informational message stating direction of intersection crossing.
- Custom (programmed by vendor) voice information messages.

Sounds/tones or the clearance countdown time remaining verbally during the pedestrian clearance cycle.

A standard pre-programmed station “locate” tone during the pedestrian don’t walk phase. Custom (programmed by vendor) tones shall be available as a substitute for the standard locate tone.

The ability to detect and measure ambient sounds and make volume adjustments for all sounds so that they are produced above this ambient sound.

**AUDIO SPECIFICATIONS**

Speaker Ratings – 15 Watts, 8 Ohms.

Volume Settings – Independent minimum and maximum volume settings for locate sounds, clearance sounds, walk sounds. Minimum volume setting informational messages. Sounds played will not be less than the minimum setting or more than the maximum setting.

Maximum Output Level - Locate sounds, clearance sounds and informational messages shall be capable of producing 60db of audio output.

Volume Over Ambient – All sounds shall be capable of being played relative to the measured ambient sound at the intersection, but restricted to the minimum and maximum volume settings of each sound. The adjustment range of volume over ambient should be from at least from 0db to 20db over ambient in increments of at least 5db steps.

Audible Station Locating Tone – 880Hz plus harmonic, 0.1 second duration, 1 second interval.

Audible Chirp Sound – From 2700 to 1700 Hz, 0.2 second duration, 1 second interval.

Audible Cuckoo Sound – From 1250 to 1000 Hz, 0.6 second duration, 1.8 second interval.

**ENVIRONMENTAL SPECIFICATIONS**



**ITEM 680.81330010 – AUDIBLE PEDESTRIAN SIGNAL**  
**ITEM 680.81340010 – AUDIBLE PEDESTRIAN SIGNAL - WITH POST**

The push button station and push button control unit shall operate over the temperature range of -40 deg F to +165 deg F.

*POST* – Post installed shall be in accordance with the standard sheet for *Pedestrian Signal Details*.

**CONSTRUCTION DETAILS**

The contractor shall install pedestrian push button station(s), any associated control unit(s), and furnish per the requirements of this specification any programming device as shown in the contract. Unless otherwise waived, the Contractor shall submit to the Regional Director, within 30 days following the award of contract, detailed specifications and catalog cuts of all equipment that is to be installed or furnished.

The post and sign shall be installed in accordance with the details specified on the standard sheet.

**METHOD OF MEASUREMENT**

This item will be measured by the number of pedestrian push button stations, control units and programming devices furnished and installed in accordance with the contract.

**BASIS OF PAYMENT**

The unit price bid shall include the cost of all labor, material and equipment necessary to complete the work.

Where the pushbutton and sign assembly is installed on its own post, the unit price bid shall also include the cost of post, sawcutting, excavation, backfill, concrete, restoration of surfaces, and conduit bend and fittings.

**ITEM 680.82220110 – RECTANGULAR RAPID FLASHING BEACONS (RRFB)  
SOLAR POWERED WITH BREAKAWAY TRANSFORMER  
BASE.**

**1.0 DESCRIPTION**

This work shall consist of furnishing and installing solar powered rectangular rapid flashing beacons (RRFB), at the locations indicated on the plans or where directed by the Engineer. All work shall be in accordance with NYSDOT Standard Specifications and as shown on the plans and in the special note for these item numbers.

**2.0 GENERAL REQUIREMENTS**

- 2.1 Each RRFB shall consist of two rapidly and alternately flashing rectangular yellow indications having LED array based pulsing light sources, and shall be designed, located, and operated with the detailed requirements specified on the plans.
- 2.2 Each RRFB shall be a complete assembly, consisting of supporting structure (pole, breakaway transformer base, sign supports), indications, signage, and electrical components (wiring, solid-state circuit boards, etc).

**3.0 FUNCTIONAL REQUIREMENTS**

- 3.1 Each RRFB shall require solar power.
- 3.2 Each RRFB shall be activated by push button.
- 3.3 Each RRFB shall be ADA compliant.
- 3.4 The RRFB shall be normally dark, shall initiate operation only upon pedestrian actuation, and shall cease operation after a predetermined time limit (based on MUTCD procedures).
- 3.5 A small light directed at, and visible to, pedestrians in the crosswalk shall be installed integral to the RRFB to give confirmation that the RRFB is in operation.
- 3.6 When activated, the RRFB indications shall flash in a rapidly alternating “wig-wag” flashing sequence (left light on, then right light on).
- 3.7 Each of the RRFB’s indications shall have 70 to 80 periods of flashing per minute.

**4.0 MECHANICAL CONSTRUCTION REQUIREMENTS**

- 4.1 Each RRFB indication shall be a minimum size of approximately 5” wide x 2” high.
- 4.2 The two RRFB indications shall be aligned horizontally, with the longer dimension of the indication horizontal, and a minimum space between the two indications of approximately 7” measured from inside edge of one indication to inside edge of second indication.
- 4.3 The outside edges of the two indications, including any housing, shall not protrude beyond the outside edges of the integral signage of the RRFB.

**ITEM 680.82220110 – RECTANGULAR RAPID FLASHING BEACONS (RRFB)  
SOLAR POWERED WITH BREAKAWAY TRANSFORMER  
BASE.**

- 4.4 The light intensity of the RRFB's indications shall meet the minimum specifications of the Society of Automotive Engineers (SAE) standard 1595 (Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles) dated January 2005.
- 4.5 The supporting structure of the RRFB (breakaway transformer base, post, sign holders, etc) shall be constructed of manufactured aluminum embodiments and powder coated.
- 4.6 Each RRFB to be supplied with all required hardware to install assembly.
- 4.7 Each RRFB shall be located between the bottom of the crossing warning sign and the top of the supplemental downward diagonal arrow plaque.

**5.0 ENVIROMENTAL OPERATIONS**

The pushbutton shall be capable of continuous operation over a temperature range of -30 degrees F to 165 degrees F (-34 degrees C to 74 degrees C).

**6.0 CONSTRUCTION DETAILS**

Section 680-3.13 of the NYSDOT Standard Specifications shall apply.

**7.0 METHOD OF MEASUREMENT**

- 7.1 Section 680-4.01 of the NYSDOT Standard Specifications shall apply.
- 7.2 This work shall be measured as the number of RRFBs furnished and installed in accordance with the Contract Documents, or as directed by the Engineer.

**8.0 BASIS OF PAYMENT**

- 8.1 Section 680-5.06 of the NYSDOT Standard Specifications shall apply.
- 8.2 The unit price of each RRFB shall include the cost of all labor, material, and equipment necessary to complete the work.

**ITEM 680.83010005 - CLEANING AND PREPARING EXISTING UNDERGROUND CONDUIT****DESCRIPTION:**

Under this item, the Contractor shall clean out and install a drag wire in the existing underground conduit, as indicated in the contract documents and/or as directed by the Engineer.

The purpose of the drag wire is to facilitate installation of wire cable, furnished and installed under another Contract item.

**MATERIALS:**

Section 680-2, Materials of the New York State Standard Specifications for Traffic Signals shall apply.

**CONSTRUCTION DETAILS:**

The method of cleaning and the equipment necessary to complete the work shall be approved by the Engineer.

Conduits shall be cleaned in a workmanlike manner and maintained clean for the duration of the Contract to the satisfaction of the Engineer.

The Contractor shall replace and/or repair at his expense any conduit or material damaged during the performance of his work. Material removed from the conduit shall be disposed of in an area outside the right-of-way provided by the Contractor at his own expense.

If water is used in the wash operations, all conduit, pull-boxes and manholes shall be pumped dry after cleaning. In addition, they shall be properly maintained and kept clean for the duration of the Contract. After a conduit is properly cleaned, the Contractor shall furnish and install a No. 10AWG galvanized steel drag wire in each conduit from one end to the other, leaving at least 3 feet of extra wire in each pull-box, post, transformer base or other terminus. The drag wire shall be properly grounded at each end to a suitable grounding device.

**METHOD OF MEASUREMENT:**

The quantity to be paid for under this item shall be the length in feet of conduit cleaned out to allow passage of wire cable through it in accordance with the contract documents and as ordered by the Engineer.

**BASIS OF PAYMENT:**

The unit bid price for this item shall include the cost of furnishing all labor, equipment and materials necessary to complete the work as shown in the contract documents. The cost of furnishing and installing drag wire shall be included in the price bid.

**ITEM 685.11120009 - EPOXY REFLECTORIZED PAVEMENT STRIPES 20 MILS -  
HAND WORK**

All the provisions of Section 685 pertaining to Epoxy ReflectORIZED Pavement Stripes - 20 Mils shall apply, except this specification shall be used only for pavement stripes such as crosswalks, stop lines, yield lines, hatching, chevrons, ramp arrows, X in the Railroad Grade Crossing Markings or other special markings as shown in the contract documents, which require portable application methods. The color shall be as required by the MUTCD or the contract documents.



**SPECIAL NOTE**  
**STATE PREVAILING WAGE RATES**

The New York State Department of Labor (NYSDOL) has issued a project-specific prevailing wage rate schedule for this Contract. The New York State Labor Law requires the Contractor and all subcontractors to ensure that all workers employed in the performance of a public work contract are paid not less than the prevailing wage rate and supplemental (fringe) benefits in the locality where the work is performed.

The project-specific prevailing wage rate schedule, together with all updates and amendments, is incorporated by reference in this Contract, and made a part hereof, as though fully set forth herein. The schedule may be accessed by visiting the NYSDOL website, navigating to the appropriate web page for prevailing wages, and entering the Prevailing Rate Case Number (PRC#). The PRC# is found on NYSDOL Form PW-200, the following page in this Contract Proposal. The project-specific prevailing wage rate schedule and all wage rate amendments are annexed electronically through the following link:

[www.labor.ny.gov](http://www.labor.ny.gov)

It is the obligation of the Contractor and all subcontractors to obtain all updated prevailing wage rate schedules and to pay all workers in accordance with the periodic wage rate schedule updates issued by the NYSDOL. Any changes or clarifications of labor classifications, and information on the applicability of particular prevailing wage rates, must be obtained from the Office of the Director of the Bureau of Public Work at the New York State Department of Labor.



Andrew M. Cuomo, Governor

Mario J. Musolino, Acting, Commissioner

NYSDOT

JEANNEN SETTANNY, DQAB PS&E UNIT  
 NYSDOT  
 POD 23  
 50 WOLF ROAD  
 ALBANY NY 12232

Schedule Year 2015 through 2016  
 Date Requested 04/01/2016  
 PRC# 2016003181

Location BROOME COUNTY  
 Project ID# D263195  
 Project Type PIN 9041.34 PAVEMENT RESURFACING

### PREVAILING WAGE SCHEDULE FOR ARTICLE 8 PUBLIC WORK PROJECT

Attached is the current schedule(s) of the prevailing wage rates and prevailing hourly supplements for the project referenced above. A unique Prevailing Wage Case Number (PRC#) has been assigned to the schedule(s) for your project.

The schedule is effective from July 2015 through June 2016. All updates, corrections, posted on the 1st business day of each month, and future copies of the annual determination are available on the Department's website [www.labor.state.ny.us](http://www.labor.state.ny.us). Updated PDF copies of your schedule can be accessed by entering your assigned PRC# at the proper location on the website.

It is the responsibility of the contracting agency or its agent to annex and make part, the attached schedule, to the specifications for this project, when it is advertised for bids and /or to forward said schedules to the successful bidder(s), immediately upon receipt, in order to insure the proper payment of wages.

Please refer to the "General Provisions of Laws Covering Workers on Public Work Contracts" provided with this schedule, for the specific details relating to other responsibilities of the Department of Jurisdiction.

Upon completion or cancellation of this project, enter the required information and mail **OR** fax this form to the office shown at the bottom of this notice, **OR** fill out the electronic version via the NYSDOL website.

#### NOTICE OF COMPLETION / CANCELLATION OF PROJECT

Date Completed: \_\_\_\_\_ Date Cancelled: \_\_\_\_\_

Name & Title of Representative: \_\_\_\_\_

Phone: (518) 457-5589 Fax: (518) 485-1870  
 W. Averell Harriman State Office Campus, Bldg. 12, Room 130, Albany, NY 12240



## General Provisions of Laws Covering Workers on Article 8 Public Work Contracts

### Introduction

The Labor Law requires public work contractors and subcontractors to pay laborers, workers, or mechanics employed in the performance of a public work contract not less than the prevailing rate of wage and supplements (fringe benefits) in the locality where the work is performed.

### Responsibilities of the Department of Jurisdiction

A Department of Jurisdiction (Contracting Agency) includes a state department, agency, board or commission; a county, city, town or village; a school district, board of education or board of cooperative educational services; a sewer, water, fire, improvement and other district corporation; a public benefit corporation; and a public authority awarding a public work contract.

The Department of Jurisdiction (Contracting Agency) awarding a public work contract MUST obtain a Prevailing Rate Schedule listing the hourly rates of wages and supplements due the workers to be employed on a public work project. This schedule may be obtained by completing and forwarding a "Request for wage and Supplement Information" form (PW 39) to the Bureau of Public Work. The Prevailing Rate Schedule MUST be included in the specifications for the contract to be awarded and is deemed part of the public work contract.

Upon the awarding of the contract, the law requires that the Department of Jurisdiction (Contracting Agency) furnish the following information to the Bureau: the name and address of the contractor, the date the contract was let and the approximate dollar value of the contract. To facilitate compliance with this provision of the Labor Law, a copy of the Department's "Notice of Contract Award" form (PW 16) is provided with the original Prevailing Rate Schedule.

The Department of Jurisdiction (Contracting Agency) is required to notify the Bureau of the completion or cancellation of any public work project. The Department's PW 200 form is provided for that purpose.

Both the PW 16 and PW 200 forms are available for completion [online](#).

### Hours

No laborer, worker, or mechanic in the employ of a contractor or subcontractor engaged in the performance of any public work project shall be permitted to work more than eight hours in any day or more than five days in any week, except in cases of extraordinary emergency. The contractor and the Department of Jurisdiction (Contracting Agency) may apply to the Bureau of Public Work for a dispensation permitting workers to work additional hours or days per week on a particular public work project.

There are very few exceptions to this rule. Complete information regarding these exceptions is available on the "[4 Day / 10 Hour Work Schedule](#)" form (PW 30R).

### Wages and Supplements

The wages and supplements to be paid and/or provided to laborers, workers, and mechanics employed on a public work project shall be not less than those listed in the current Prevailing Rate Schedule for the locality where the work is performed. If a prime contractor on a public work project has not been provided with a Prevailing Rate Schedule, the contractor must notify the Department of Jurisdiction (Contracting Agency) who in turn must request an original Prevailing Rate Schedule form the Bureau of Public Work. Requests may be submitted by: mail to NYSDOL, Bureau of Public Work, State Office Bldg. Campus, Bldg. 12, Rm. 130, Albany, NY 12240; Fax to Bureau of Public Work (518) 485-1870; or electronically at the NYSDOL website [www.labor.state.ny.us](http://www.labor.state.ny.us).

Upon receiving the original schedule, the Department of Jurisdiction (Contracting Agency) is REQUIRED to provide complete copies to all prime contractors who in turn MUST, by law, provide copies of all applicable county schedules to each subcontractor and obtain from each subcontractor, an affidavit certifying such schedules were received. If the original schedule expired, the contractor may obtain a copy of the new annual determination from the NYSDOL website [www.labor.state.ny.us](http://www.labor.state.ny.us).

The Commissioner of Labor makes an annual determination of the prevailing rates. This determination is in effect from July 1st through June 30th of the following year. The annual determination is available on the NYSDOL website [www.labor.state.ny.us](http://www.labor.state.ny.us).

### Payrolls and Payroll Records

Every contractor and subcontractor MUST keep original payrolls or transcripts subscribed and affirmed as true under penalty of perjury. Payrolls must be maintained for at least three (3) years from the project's date of completion. At a minimum, payrolls must show the following information for each person employed on a public work project: Name, Address, Last 4 Digits of Social Security Number, Classification(s) in which the worker was employed, Hourly wage rate(s) paid, Supplements paid or provided, and Daily and weekly number of hours worked in each classification.

Every contractor and subcontractor shall submit to the Department of Jurisdiction (Contracting Agency), within thirty (30) days after issuance of its first payroll and every thirty (30) days thereafter, a transcript of the original payrolls, subscribed and affirmed as true under penalty of perjury. The Department of Jurisdiction (Contracting Agency) shall collect, review for facial validity, and maintain such payrolls.

In addition, the Commissioner of Labor may require contractors to furnish, with ten (10) days of a request, payroll records sworn to as their validity and accuracy for public work and private work. Payroll records include, but are not limited to time cards, work description sheets, proof that supplements were provided, cancelled payroll checks and payrolls. Failure to provide the requested information within the allotted ten (10) days will result in the withholding of up to 25% of the contract, not to exceed \$100,000.00. If the contractor or subcontractor does not maintain a place of business in New York State and the amount of the contract exceeds \$25,000.00, payroll records and certifications must be kept on the project worksite.

The prime contractor is responsible for any underpayments of prevailing wages or supplements by any subcontractor.

All contractors or their subcontractors shall provide to their subcontractors a copy of the Prevailing Rate Schedule specified in the public work contract as well as any subsequently issued schedules. A failure to provide these schedules by a contractor or subcontractor is a violation of Article 8, Section 220-a of the Labor Law.

All subcontractors engaged by a public work project contractor or its subcontractor, upon receipt of the original schedule and any subsequently issued schedules, shall provide to such contractor a verified statement attesting that the subcontractor has received the Prevailing Rate Schedule and will pay or provide the applicable rates of wages and supplements specified therein. (See NYS Labor Laws, Article 8 . Section 220-a).

### **Determination of Prevailing Wage and Supplement Rate Updates Applicable to All Counties**

The wages and supplements contained in the annual determination become effective July 1st whether or not the new determination has been received by a given contractor. Care should be taken to review the rates for obvious errors. Any corrections should be brought to the Department's attention immediately. It is the responsibility of the public work contractor to use the proper rates. If there is a question on the proper classification to be used, please call the district office located nearest the project. Any errors in the annual determination will be corrected and posted to the NYSOL website on the first business day of each month. Contractors are responsible for paying these updated rates as well, retroactive to July 1st.

When you review the schedule for a particular occupation, your attention should be directed to the dates above the column of rates. These are the dates for which a given set of rates is effective. To the extent possible, the Department posts rates in its possession that cover periods of time beyond the July 1st to June 30th time frame covered by a particular annual determination. Rates that extend beyond that instant time period are informational ONLY and may be updated in future annual determinations that actually cover the then appropriate July 1st to June 30th time period.

### **Withholding of Payments**

When a complaint is filed with the Commissioner of Labor alleging the failure of a contractor or subcontractor to pay or provide the prevailing wages or supplements, or when the Commissioner of Labor believes that unpaid wages or supplements may be due, payments on the public work contract shall be withheld from the prime contractor in a sufficient amount to satisfy the alleged unpaid wages and supplements, including interest and civil penalty, pending a final determination.

When the Bureau of Public Work finds that a contractor or subcontractor on a public work project failed to pay or provide the requisite prevailing wages or supplements, the Bureau is authorized by Sections 220-b and 235.2 of the Labor Law to so notify the financial officer of the Department of Jurisdiction (Contracting Agency) that awarded the public work contract. Such officer MUST then withhold or cause to be withheld from any payment due the prime contractor on account of such contract the amount indicated by the Bureau as sufficient to satisfy the unpaid wages and supplements, including interest and any civil penalty that may be assessed by the Commissioner of Labor. The withholding continues until there is a final determination of the underpayment by the Commissioner of Labor or by the court in the event a legal proceeding is instituted for review of the determination of the Commissioner of Labor.

The Department of Jurisdiction (Contracting Agency) shall comply with this order of the Commissioner of Labor or of the court with respect to the release of the funds so withheld.

### **Summary of Notice Posting Requirements**

The current Prevailing Rate Schedule must be posted in a prominent and accessible place on the site of the public work project. The prevailing wage schedule must be encased in, or constructed of, materials capable of withstanding adverse weather conditions and be titled "PREVAILING RATE OF WAGES" in letters no smaller than two (2) inches by two (2) inches.

The ["Public Work Project"](#) notice must be posted at the beginning of the performance of every public work contract, on each job site.

Every employer providing workers' compensation insurance and disability benefits must post notices of such coverage in the format prescribed by the Workers' Compensation Board in a conspicuous place on the jobsite.

Every employer subject to the NYS Human Rights Law must conspicuously post at its offices, places of employment, or employment training centers, notices furnished by the State Division of Human Rights.

Employers liable for contributions under the Unemployment Insurance Law must conspicuously post on the jobsite notices furnished by the NYS Department of Labor.

## **Apprentices**

Employees cannot be paid apprentice rates unless they are individually registered in a program registered with the NYS Commissioner of Labor. The allowable ratio of apprentices to journeyworkers in any craft classification can be no greater than the statewide building trade ratios promulgated by the Department of Labor and included with the Prevailing Rate Schedule. An employee listed on a payroll as an apprentice who is not registered as above or is performing work outside the classification of work for which the apprentice is indentured, must be paid the prevailing journeyworker's wage rate for the classification of work the employee is actually performing.

NYSDOL Labor Law, Article 8, Section 220-3, require that only apprentices individually registered with the NYS Department of Labor may be paid apprenticeship rates on a public work project. No other Federal or State Agency of office registers apprentices in New York State.

Persons wishing to verify the apprentice registration of any person must do so in writing by mail, to the NYSDOL Office of Employability Development / Apprenticeship Training, State Office Bldg. Campus, Bldg. 12, Albany, NY 12240 or by Fax to NYSDOL Apprenticeship Training (518) 457-7154. All requests for verification must include the name and social security number of the person for whom the information is requested.

The only conclusive proof of individual apprentice registration is written verification from the NYSDOL Apprenticeship Training Albany Central office. Neither Federal nor State Apprenticeship Training offices outside of Albany can provide conclusive registration information.

It should be noted that the existence of a registered apprenticeship program is not conclusive proof that any person is registered in that program. Furthermore, the existence or possession of wallet cards, identification cards, or copies of state forms is not conclusive proof of the registration of any person as an apprentice.

## **Interest and Penalties**

In the event that an underpayment of wages and/or supplements is found:

- Interest shall be assessed at the rate then in effect as prescribed by the Superintendent of Banks pursuant to section 14-a of the Banking Law, per annum from the date of underpayment to the date restitution is made.
- A Civil Penalty may also be assessed, not to exceed 25% of the total of wages, supplements, and interest due.

## **Debarment**

Any contractor or subcontractor and/or its successor shall be ineligible to submit a bid on or be awarded any public work contract or subcontract with any state, municipal corporation or public body for a period of five (5) years when:

- Two (2) willful determinations have been rendered against that contractor or subcontractor and/or its successor within any consecutive six (6) year period.
- There is any willful determination that involves the falsification of payroll records or the kickback of wages or supplements.

## **Criminal Sanctions**

Willful violations of the Prevailing Wage Law (Article 8 of the Labor Law) may be a felony punishable by fine or imprisonment of up to 15 years, or both.

## **Discrimination**

No employee or applicant for employment may be discriminated against on account of age, race, creed, color, national origin, sex, disability or marital status.

No contractor, subcontractor nor any person acting on its behalf, shall by reason of race, creed, color, disability, sex or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which the employment relates (NYS Labor Law, Article 8, Section 220-e(a)).

No contractor, subcontractor, nor any person acting on its behalf, shall in any manner, discriminate against or intimidate any employee on account of race, creed, color, disability, sex, or national origin (NYS Labor Law, Article 8, Section 220-e(b)).

The Human Rights Law also prohibits discrimination in employment because of age, marital status, or religion.

There may be deducted from the amount payable to the contractor under the contract a penalty of \$50.00 for each calendar day during which such person was discriminated against or intimidated in violation of the provision of the contract (NYS Labor Law, Article 8, Section 220-e(c) ).

The contract may be cancelled or terminated by the State or municipality. All monies due or to become due thereunder may be forfeited for a second or any subsequent violation of the terms or conditions of the anti-discrimination sections of the contract (NYS Labor Law, Article 8, Section 220-e(d) ).

Every employer subject to the New York State Human Rights Law must conspicuously post at its offices, places of employment, or employment training centers notices furnished by the State Division of Human Rights.

### **Workers' Compensation**

In accordance with Section 142 of the State Finance Law, the contractor shall maintain coverage during the life of the contract for the benefit of such employees as required by the provisions of the New York State Workers' Compensation Law.

A contractor who is awarded a public work contract must provide proof of workers' compensation coverage prior to being allowed to begin work.

The insurance policy must be issued by a company authorized to provide workers' compensation coverage in New York State. Proof of coverage must be on form C-105.2 (Certificate of Workers' Compensation Insurance) and must name this agency as a certificate holder.

If New York State coverage is added to an existing out-of-state policy, it can only be added to a policy from a company authorized to write workers' compensation coverage in this state. The coverage must be listed under item 3A of the information page.

The contractor must maintain proof that subcontractors doing work covered under this contract secured and maintained a workers' compensation policy for all employees working in New York State.

Every employer providing worker's compensation insurance and disability benefits must post notices of such coverage in the format prescribed by the Workers' Compensation Board in a conspicuous place on the jobsite.

### **Unemployment Insurance**

Employers liable for contributions under the Unemployment Insurance Law must conspicuously post on the jobsite notices furnished by the New York State Department of Labor.

## Introduction to the Prevailing Rate Schedule

### Information About Prevailing Rate Schedule

This information is provided to assist you in the interpretation of particular requirements for each classification of worker contained in the attached Schedule of Prevailing Rates.

#### Classification

It is the duty of the Commissioner of Labor to make the proper classification of workers taking into account whether the work is heavy and highway, building, sewer and water, tunnel work, or residential, and to make a determination of wages and supplements to be paid or provided. It is the responsibility of the public work contractor to use the proper rate. If there is a question on the proper classification to be used, please call the district office located nearest the project. District office locations and phone numbers are listed below.

Prevailing Wage Schedules are issued separately for "General Construction Projects" and "Residential Construction Projects" on a county-by-county basis.

General Construction Rates apply to projects such as: Buildings, Heavy & Highway, and Tunnel and Water & Sewer rates.

Residential Construction Rates generally apply to construction, reconstruction, repair, alteration, or demolition of one family, two family, row housing, or rental type units intended for residential use.

Some rates listed in the Residential Construction Rate Schedule have a very limited applicability listed along with the rate. Rates for occupations or locations not shown on the residential schedule must be obtained from the General Construction Rate Schedule. Please contact the local Bureau of Public Work office before using Residential Rate Schedules, to ensure that the project meets the required criteria.

#### Paid Holidays

Paid Holidays are days for which an eligible employee receives a regular day's pay, but is not required to perform work. If an employee works on a day listed as a paid holiday, this remuneration is in addition to payment of the required prevailing rate for the work actually performed.

#### Overtime

At a minimum, all work performed on a public work project in excess of eight hours in any one day or more than five days in any workweek is overtime. However, the specific overtime requirements for each trade or occupation on a public work project may differ. Specific overtime requirements for each trade or occupation are contained in the prevailing rate schedules.

Overtime holiday pay is the premium pay that is required for work performed on specified holidays. It is only required where the employee actually performs work on such holidays.

The applicable holidays are listed under HOLIDAYS: OVERTIME. The required rate of pay for these covered holidays can be found in the OVERTIME PAY section listings for each classification.

#### Supplemental Benefits

Particular attention should be given to the supplemental benefit requirements. In most cases the payment or provision of supplements is for each hour worked (noted in the schedule as 'Per hour worked'). Some classifications require the payment or provision of supplements for each hour paid (noted in the schedule as 'Per hour paid'), which require supplements to be paid or provided at a premium rate for premium hours worked. Some classifications may also require the payment or provision of supplements for paid holidays on which no work is performed.

#### Effective Dates

When you review the schedule for a particular occupation, your attention should be directed to the dates above the column of rates. These are the dates for which a given set of rates is effective. The rate listed is valid until the next effective rate change or until the new annual determination which takes effect on July 1 of each year. All contractors and subcontractors are required to pay the current prevailing rates of wages and supplements. If you have any questions please contact the Bureau of Public Work or visit the New York State Department of Labor website ([www.labor.state.ny.us](http://www.labor.state.ny.us)) for current wage rate information.

#### Apprentice Training Ratios

The following are the allowable ratios of registered Apprentices to Journey-workers.

For example, the ratio 1:1,1:3 indicates the allowable initial ratio is one Apprentice to one Journeyworker. The Journeyworker must be in place on the project before an Apprentice is allowed. Then three additional Journeyworkers are needed before a second Apprentice is allowed. The last ratio repeats indefinitely. Therefore, three more Journeyworkers must be present before a third Apprentice can be hired, and so on.

Please call Apprentice Training Central Office at (518) 457-6820 if you have any questions.

Title (Trade)	Ratio
Boilermaker (Construction)	1:1,1:4
Boilermaker (Shop)	1:1,1:3
Carpenter (Bldg.,H&H, Pile Driver/Dockbuilder)	1:1,1:4
Carpenter (Residential)	1:1,1:3

Electrical (Outside) Lineman	1:1,1:2
Electrician (Inside)	1:1,1:3
Elevator/Escalator Construction & Modernizer	1:1,1:2
Glazier	1:1,1:3
Insulation & Asbestos Worker	1:1,1:3
Iron Worker	1:1,1:4
Laborer	1:1,1:3
Mason	1:1,1:4
Millwright	1:1,1:4
Op Engineer	1:1,1:5
Painter	1:1,1:3
Plumber & Steamfitter	1:1,1:3
Roofer	1:1,1:2
Sheet Metal Worker	1:1,1:3
Sprinkler Fitter	1:1,1:2

If you have any questions concerning the attached schedule or would like additional information, please contact the nearest BUREAU of PUBLIC WORK District Office or write to:

New York State Department of Labor  
Bureau of Public Work  
State Office Campus, Bldg. 12  
Albany, NY 12240

District Office Locations:	Telephone #	FAX #
Bureau of Public Work - Albany	518-457-2744	518-485-0240
Bureau of Public Work - Binghamton	607-721-8005	607-721-8004
Bureau of Public Work - Buffalo	716-847-7159	716-847-7650
Bureau of Public Work - Garden City	516-228-3915	516-794-3518
Bureau of Public Work - Newburgh	845-568-5287	845-568-5332
Bureau of Public Work - New York City	212-932-2419	212-775-3579
Bureau of Public Work - Patchogue	631-687-4882	631-687-4902
Bureau of Public Work - Rochester	585-258-4505	585-258-4708
Bureau of Public Work - Syracuse	315-428-4056	315-428-4671
Bureau of Public Work - Utica	315-793-2314	315-793-2514
Bureau of Public Work - White Plains	914-997-9507	914-997-9523
Bureau of Public Work - Central Office	518-457-5589	518-485-1870



## QUANTITY SHEET SUMMARY FOR PROPOSAL

CONTRACT ID: D263195

PROJECT(S): 904134

CONTRACTOR : \_\_\_\_\_

SEC NUM	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
0001	203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	21.000
0001	204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CY	2.000
0001	206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RES	LF	115.000
0001	209.1003	SEED AND MULCH - TEMPORARY	SY	35.000
0001	304.15	SUBBASE COURSE, OPTIONAL TYPE	CY	22.000
0001	402.018902	TRUE & LEVELING F9, SUPERPAVE HMA, 80 SERIES COMPACTI	TON	260.000
0001	402.018912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.018902	QU	13.000
0001	402.096202	9.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION	TON	3100.000
0001	402.096212	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.096202	QU	155.000
0001	407.0102	DILUTED TACK COAT	GAL	4400.000
0001	490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY	21400.000
0001	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	4800.000
0001	604.070901	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MAN	EACH	1.000
0001	604.070902	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MAN	EACH	1.000
0001	604.11	PREFABRICATED ADJUSTMENT FRAMES FOR DRAINAGE STRUCTUR	EACH	2.000
0001	608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	6.000
0001	608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY	9.000
0001	609.04	CAST-IN-PLACE CONCRETE CURB (AS DETAILED)	LF	150.000
0001	609.15	RESETTING EXISTING CURB	LF	9.000
0001	610.13	WEED REMOVAL	SY	55.000
0001	610.1403	TOPSOIL - LAWNS	CY	7.000



QUANTITY SHEET SUMMARY FOR PROPOSAL

CONTRACT ID: D263195

PROJECT(S): 904134

CONTRACTOR : \_\_\_\_\_

SEC NUM	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
0001	610.18	SODDING	SY	55.000
0001	610.19	WATERING VEGETATION	MGAL	3.000
0001	610.21	MOWING	SY	55.000
0001	619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1.000
0001	619.0901	TEMPORARY PAVEMENT MARKINGS STRIPES (TRAFFIC PAINT)	LF	9000.000
0001	619.24	NIGHTTIME OPERATIONS	LS	1.000
0001	625.01	SURVEY OPERATIONS	LS	1.000
0001	627.50140008	CUTTING PAVEMENT	LF	50.000
0001	633.14	REMOVAL AND REPAIR OF DETERIORATED HMA PAVEMENT	SY	490.000
0001	635.0103	CLEANING AND PREPARATION OF PAVEMENT SURFACES - LINES	LF	1200.000
0001	637.11	ENGINEER'S FIELD OFFICE - TYPE 1	MNTH	11.000
0001	637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	1000.000
0001	645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO30 SF	SF	43.000
0001	645.81	TYPE A SIGN POSTS	EACH	7.000
0001	647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDE	EACH	2.000
0001	647.61	REM AND DISPOSE GROUND MOUNTED TYPE A SIGN SUPPORT(S)	EACH	4.000
0001	663.33	ADJUST EXISTING VALVE BOX ELEVATION	EACH	10.000
0001	680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	8.000
0001	680.51000010	ALTER ELEVATION OF PULL BOXES	EACH	4.000
0001	680.520203	TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL,	LF	220.000
0001	680.54	INDUCTANCE LOOP INSTALLATION	LF	2700.000

## QUANTITY SHEET SUMMARY FOR PROPOSAL

CONTRACT ID: D263195

PROJECT(S): 904134

CONTRACTOR : \_\_\_\_\_

SEC NUM	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
0001	680.71	SHIELDED LEAD-IN CABLE	LF	400.000
0001	680.72	INDUCTANCE LOOP WIRE	LF	6620.000
0001	680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	200.000
0001	680.81330010	AUDIBLE PEDESTRIAN SIGNAL	EACH	20.000
0001	680.82220110	RECTANGULAR RAPID FLASHING BEACONS (RRFB) SOLAR POWE	EACH	6.000
0001	680.83010005	CLEANING AND PREPARING EXISTING UNDERGROUND CONDUIT	LF	410.000
0001	685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	3100.000
0001	685.11120009	EPOXY REFLECTORIZED PAVEMENT STRIPES 20 MILS - HAND W	LF	12300.000
0001	685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	8100.000
0001	685.13	WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS - 20 MILS	EACH	52.000
0001	685.14	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS	EACH	69.000
0001	697.03	FIELD CHANGE PAYMENT	DC	39000.000
0001	698.04	ASPHALT PRICE ADJUSTMENT	DC	4200.000
0001	698.05	FUEL PRICE ADJUSTMENT	DC	211.000
0001	698.06	STEEL/IRON PRICE ADJUSTMENT	DC	100.000
0001	699.040001	MOBILIZATION	LS	1.000